

C-9

Certificate No.: 09188720-5301941-753

INTERNATIONAL SEWAGE POLLUTION PREVENTION CERTIFICATE

Issued under the provisions of
the International Convention for the Prevention of Pollution from Ships, 1973
as modified by the Protocol of 1978 relating thereto, "the Convention"
and as amended by resolution MEPC.115(51), (hereinafter referred to as "the Convention")
under the authority of the Government of:

Republic of Singapore
(name of state)

by American Bureau of Shipping

Particulars of Ship:		Port of Registry
Name of ship	Distinctive number or letters	Singapore
BOURBON TONG KAM	395553 9V8276	
Gross tonnage	Number of persons which the ship is certified to carry	IMO Number ¹
1733	22	9394583

New Ship / Existing Ship*

Type of ship for the application of regulation 11.3.*

~~New / Existing Passenger Ship*~~

Ship other than a passenger ship

Date on which keel was laid or ship was at a similar stage of construction or where applicable, date on which work for a conversion or an alteration or modification of a major character was commenced 30 July 2008

THIS IS TO CERTIFY:

(1) That the ship is equipped with a Sewage Treatment Plant ~~and a Holding Tank~~ and a discharge pipeline in compliance with regulations 9 and 10 of Annex IV of the Convention as follows:

*(1.1) Description of the sewage treatment plant:

Type of sewage treatment plant JOWA-BIO-STP2

Name of manufacturer JOWA AB SWEDEN

The sewage treatment plant is certified by the Administration to meet the effluent standards as provided for in

~~*(1.2) Description of comminuter~~

Type of comminuter N/A

Name of manufacturer N/A

Standard of sewage after disinfection N/A

~~*(1.3) Description of holding tank~~

Total capacity of the holding tank N/A m³

Location N/A

(1.4) A pipeline for the discharge of sewage to a reception facility, fitted with a standard shore connection.

* Delete as appropriate

1. In accordance with resolution A.900(15) - IMO Ship Identification Number Scheme, this information may be included voluntarily

ISPPC

REV 104.00

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(2) The ship has been surveyed in accordance with regulation 4 of Annex IV of the Convention.

(3) That the survey shows that the structure, equipment, systems, fittings, arrangements and material of the ship and the condition thereof are in all respects satisfactory and the ship complies with the applicable requirements of Annex IV of the Convention.

N/A

This certificate is valid until 01 September 2027² subject to surveys in accordance with regulation 4 of Annex IV of the Convention.

Completion date of the survey on which this certificate is based: 02 September 2022

Issued at Batam, Indonesia on 02 September 2022



Electronically Signed By
Safitri, Batam Port

(Surveyor, American Bureau of Shipping)

² Insert the date of expiry as specified by the Administration in accordance with regulation 8.1 of Annex IV of the Convention. The day and the month of this date correspond to the anniversary date as defined in regulation 1.8 of Annex IV of the Convention.

ISPPC

REV 104.00

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Endorsement to extend the Certificate if valid for less than 5 years where regulation 8.3 applies.
The ship complies with the relevant provisions of the Convention, and this Certificate shall, in accordance with regulation 8.3 of Annex IV of the Convention, be accepted as valid until _____.

Signed: _____
(Signature of authorized official)

Place: _____
(Seal or Stamp of the authority, as appropriate)

Date: _____

Endorsement where the renewal survey has been completed and regulation 8.4 applies.
The ship complies with the relevant provisions of the Convention, and this Certificate shall, in accordance with regulation 8.4 of Annex IV of the Convention, be accepted as valid until _____.

Signed: _____
(Signature of authorized official)

Place: _____
(Seal or Stamp of the authority, as appropriate)

Date: _____

Endorsement where the renewal survey has been completed and regulation 8.5 or 8.6 applies.
This Certificate shall, in accordance with regulation 8.5 or 8.6 of Annex IV of the Convention, be accepted as valid until _____.

Signed: _____
(Signature of authorized official)

Place: _____
(Seal or Stamp of the authority, as appropriate)

Date: _____



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Certificate No.: 09188720-5301941-066

INTERNATIONAL OIL POLLUTION PREVENTION CERTIFICATE

(This Certificate shall be supplemented by a Record of Construction and Equipment)

Issued under the Provisions of the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto and as amended, (hereinafter referred to as "the Convention") under the authority of the Government of

Republic of Singapore
(name of state)

by American Bureau of Shipping

Name of Ship	Distinctive Number or Letters	Port of Registry
BOURBON TONG KAM	395553 9V8276	Singapore
Gross Tonnage ¹ a) According to footnote ^{2,3} b) According to footnote ^{1,3}	Maximum Deadweight of Ship (metric tons) ⁴	IMO Number
1733	-	9394583

Type of Ship¹:

Oil-Tanker

Ship other than an oil-tanker with cargo tanks coming under Regulation 2(2) of Annex I of the Convention
Ship other than any of the above

THIS IS TO CERTIFY:

- That the ship has been surveyed in accordance with Regulation 6 of Annex I of the Convention;
- That the survey shows that the structure, equipment, systems, fittings, arrangement and material of the ship and the condition thereof are in all respects satisfactory and that the ship complies with the applicable requirements of Annex I of the Convention.

This Certificate is valid only when Supplement Form A issued at
on 02 September 2022 is attached. Batam, Indonesia

This certificate is valid until 01 September 2027⁵ subject to surveys in accordance with Regulation 6 of Annex I of the Convention.

Completion date of the survey on which this certificate is based: 02 September 2022
Issued at Batam, Indonesia on 02 September 2022
(Place of Issue of Certificate) (Date of Issue)



Electronically Signed By
Saiful, Batam Port
Surveyor, American Bureau of Shipping

- Delete as appropriate
- The above gross tonnage has been determined in accordance with the International Convention on Tonnage Measurement of Ships, 1969
- The above gross tonnage has been determined by the authorities of the Administration in accordance with the national tonnage rules which were in force prior to the coming into force for existing ships of the International Convention on Tonnage Measurement of Ships, 1969
- For oil tankers
- For the date of expiry as specified by the Administration in accordance with regulation 10.1 of Annex I of the Convention. The day and the month of date corresponds to the anniversary date as defined in regulation 1.2.7 of Annex I of the Convention, unless amended in accordance with regulation 10.3 of Annex I of the Convention.

Certificate No.: 09188720-5301941-066

ENDORSEMENT FOR ANNUAL AND INTERMEDIATE SURVEYS

THIS IS TO CERTIFY that, at a survey required by Regulation 6 of Annex I of the Convention, the ship was found to comply with the relevant requirements of the Convention.

Annual Survey:	Signed: <u>SAMIT BANGKOK PORT</u> (Surveyor, American Bureau of Shipping)
	Place: <u>SONGKHLA, THAILAND</u>
	Date: <u>30 AUGUST 2023</u>
Annual / Intermediate Survey:	Signed: <u>DONGHAT KONGCHIEP</u> (Surveyor, American Bureau of Shipping)
	Place: <u>SONGKHLA, THAILAND</u>
	Date: <u>10 OCTOBER 2024</u>
Annual / Intermediate Survey:	Signed: <u>ANAN S., BANGKOK PORT</u> (Surveyor, American Bureau of Shipping)
	Place: <u>SONGKHLA, THAILAND</u>
	Date: <u>01 OCTOBER 2025</u>
Annual Survey:	Signed: _____ (Surveyor, American Bureau of Shipping)
	Place: _____
	Date: _____



1 Delete as appropriate

ANNUAL / INTERMEDIATE SURVEY IN ACCORDANCE WITH REGULATION 10.8.3

THIS IS TO CERTIFY that, at an annual / intermediate¹ survey in accordance with Regulation 10.8.3 of Annex I of the Convention, the ship was found to comply with the relevant provisions of the Convention.

Signed: _____
 (Surveyor, American Bureau of Shipping)
 Place: _____
 Date: _____

ENDORSEMENT TO EXTEND THE CERTIFICATE IF VALID FOR LESS THAN 5 YEARS WHERE REGULATION 10.3 APPLIES

The ship complies with the relevant provisions of the Convention, and this Certificate shall, in accordance with Regulation 10.3 of Annex I of the Convention, be accepted as valid until _____

Signed: _____
 (Surveyor, American Bureau of Shipping)
 Place: _____
 Date: _____

ENDORSEMENT WHERE THE RENEWAL SURVEY HAS BEEN COMPLETED AND REGULATION 10.4 APPLIES

The ship complies with the relevant provisions of the Convention, and this Certificate shall, in accordance with Regulation 10.4 of Annex I of the Convention, be accepted as valid until _____

Signed: _____
 (Surveyor, American Bureau of Shipping)
 Place: _____
 Date: _____

ENDORSEMENT TO EXTEND THE VALIDITY OF THE CERTIFICATE UNTIL REACHING THE PORT OF SURVEY OR FOR A PERIOD OF GRACE WHERE REGULATION 10.5 OR 10.6¹ APPLIES

This Certificate shall, in accordance with regulation 10.5 /10.6¹ of Annex I of the Convention, be accepted as valid until _____

Signed: _____
 (Surveyor, American Bureau of Shipping)
 Place: _____
 Date: _____



¹ Delete as appropriate

ENDORSEMENT FOR ADVANCEMENT OF ANNIVERSARY DATE WHERE REGULATION 10.8 APPLIES

In accordance with Regulation 10.8 of Annex I of the Convention, the new anniversary date is _____

Signed: _____
 (Surveyor, American Bureau of Shipping)
 Place: _____
 Date: _____

In accordance with Regulation 10.8 of Annex I of the Convention, the new anniversary date is _____

Signed: _____
 (Surveyor, American Bureau of Shipping)
 Place: _____
 Date: _____



CARGO SHIP SAFETY EQUIPMENT CERTIFICATE
THIS CERTIFICATE SHALL BE SUPPLEMENTED BY A RECORD OF EQUIPMENT (FORM E)

ISSUED UNDER THE PROVISIONS OF THE
INTERNATIONAL CONVENTION FOR THE SAFETY OF LIFE AT SEA, 1974,
AS MODIFIED BY THE PROTOCOL OF 1988 RELATING THERETO

UNDER THE AUTHORITY OF THE GOVERNMENT OF
Republic of Singapore
(Name of the State)
by **American Bureau of Shipping**

Particulars of Ship:

Name of Ship	Distinctive Number or Letters	Port of Registry	Gross Tonnage ¹ a) According to tonnage 2 b) According to requirements
BOURBON TONG KAM	395553 9V6276	Singapore	1733
Maximum Deadweight of Ship (Metric Tons) ⁴	Length of Ship (Regulation III/3.12)	IMO Number	Date on Which Keel Was Laid ⁵
-	55.056 m	9394583	30 July 2008

Type of ship:¹

- ~~Bulk Carrier~~
- ~~Oil Tanker~~
- ~~Chemical Tanker~~
- ~~Gas Carrier~~

Cargo Ship other than any of the above

THIS IS TO CERTIFY:

- that the ship has been surveyed in accordance with the requirements of Regulation I/8, of the Convention.
- that the survey showed that:
 - the ship complied with the requirements of the Convention as regards fire safety systems and appliances and fire control plans;
 - the life-saving appliances and the equipment of the lifeboats, liferafts and rescue boats were provided in accordance with the requirements of the Convention;
 - the ship was provided with a line-throwing appliance in accordance with the requirements of the Convention;
 - the ship complied with the requirements of the Convention as regards shipborne navigational equipment, means of embarkation for pilots and nautical publications.

1 Delete as appropriate.
2 The above gross tonnage has been determined in accordance with the International Convention on Tonnage Measurement of Ships, 1969.
3 For oil tankers, chemical tankers and gas carriers only.
4 For oil tankers, chemical tankers and gas carriers only.
5 In accordance with the IMO Ship Identification Number Scheme, adopted by the Organization by resolution A.1117(30).
6 Date on which keel was laid or date of completion of construction or, where applicable, date on which work for a conversion or an alteration or modification of a major character was commenced.

- the ship was provided with lights, shapes, means of making sound signals and distress signals in accordance with the requirements of the Convention and the International Regulations for Preventing Collisions at Sea in force;
- in all other respects, the ship complied with the relevant requirements of the Convention.
- the ship ~~was~~ was not ¹ subjected to an alternative design and arrangements in pursuance of regulation(s) II-2/17 / III/38 ¹ of the Convention;
- a Document of approval of alternative design and arrangements for fire protection / life-saving appliances and arrangements ¹ ~~is~~ / is not ¹ appended to this Certificate.
- That the ship operates in accordance with regulation III/26.1.1.1⁷ within the limits of the trade area
N/A

4. That an Exemption Certificate has / ~~has not~~ ¹ been issued.

This Certificate is valid only when Record Form E issued at _____ Songkhla, Thailand _____ on
10 October 2024 _____ is attached.

This certificate is valid until _____ 01 September 2027 _____ ⁸ Subject to the annual and periodical surveys in accordance with regulation I/8 of the Convention.

Completion date of the survey on which this certificate is based: _____ 02 September 2022 _____

Issued at _____ Songkhla, Thailand _____ on _____ 10 October 2024 _____
(Place of issue of Certificate) (Date of issue)



Electronically Signed By
Kongchaeep, Drongrit, Bangkok Port
Surveyor, American Bureau of Shipping



<https://abs.com/england>

1 Delete as appropriate.
2 Refer to the 1988 amendments to SOLAS (MSC.6(88)), applicable to ships constructed on or after 1 July 1988, but before 1 July 1998 in the case of self-equalizing partially enclosed lifeboat(s) on board.
3 Insert the date of expiry as specified by the Administration in accordance with Regulation I/14(a) of the Convention. The day and the month of this date correspond to the anniversary date as defined in Regulation I/2(m) of the Convention, unless amended in accordance with Regulation I/4(n).

ENDORSEMENT FOR ANNUAL AND PERIODICAL SURVEYS

THIS IS TO CERTIFY that, at a survey required by Regulation I/8 of the Convention, the ship was found to comply with the relevant requirements of the Convention.

Annual Survey:

Signed:

Place:

Date:

REQUIRED SURVEY CARRIED OUT PREVIOUSLY


Electronically Signed By
Kongcheep, Drongrit, Bangkok Port
(Surveyor, American Bureau of Shipping)

Signed:

Place:

Date:

Songkhla, Thailand

10 October 2024

Annual / Periodical¹ Survey:

~~Annual~~ / Periodical¹ Survey:

Signed:

Place:

Date:


ATAPOL S., BANGKOK TORA
(Surveyor, American Bureau of Shipping)

SONGKHLA, THAILAND

01 OCTOBER 2025

Annual Survey:

Signed:

Place:

Date:

(Surveyor, American Bureau of Shipping)



ANNUAL/PERIODICAL SURVEY IN ACCORDANCE WITH REGULATION I/14(h)(III)

THIS IS TO CERTIFY that, at the annual / periodical¹ survey in accordance with regulation I/14(h)(III) of the Convention, the ship was found to comply with the relevant requirements of the Convention.

Signed:

Place:

Date:

(Surveyor, American Bureau of Shipping)

ENDORSEMENT TO EXTEND THE CERTIFICATE IF VALID FOR LESS THAN 5 YEARS WHERE REGULATION I/14(C) APPLIES

The ship complies with the relevant requirements of the Convention, and this certificate shall, in accordance with Regulation I/14(c) of the Convention, be accepted as valid until _____

Signed:

Place:

Date:

(Surveyor, American Bureau of Shipping)

ENDORSEMENT WHERE THE RENEWAL SURVEY HAS BEEN COMPLETED AND REGULATION I/14(D) APPLIES

The ship complies with the relevant requirements of the Convention, and this certificate shall, in accordance with Regulation I/14(d) of the Convention, be accepted as valid until _____

Signed:

Place:

Date:

(Surveyor, American Bureau of Shipping)



**ENDORSEMENT TO EXTEND THE VALIDITY OF THE CERTIFICATE UNTIL REACHING THE PORT OF SURVEY
OR FOR A PERIOD OF GRACE WHERE REGULATION I/14(E) OR I/14(F) APPLIES.**

This certificate shall, in accordance with Regulation I/14(e) / I/14(f)¹ of the Convention, be accepted as valid until _____

Signed: _____
(Surveyor, American Bureau of Shipping)
Place: _____
Date: _____

**ENDORSEMENT FOR ADVANCEMENT OF ANNIVERSARY DATE
WHERE REGULATION I/14(H) APPLIES**

In accordance with Regulation I/14(h) of the Convention, the new anniversary date is _____

Signed: _____
(Surveyor, American Bureau of Shipping)
Place: _____
Date: _____

In accordance with Regulation I/14(h) of the Convention, the new anniversary date is _____

Signed: _____
(Surveyor, American Bureau of Shipping)
Place: _____
Date: _____



¹ Delete as appropriate.

ภาคผนวกเรือส่นับสนุน-3

บันทึกต่าง ๆ ของเรือส่นับสนุน

Job Title	Active	Job Type	Primary Frequency	Secondary Frequency	Last Done Date	Next Due Date	Next Due Hrs.	Days Left	Rtrhs. From Last Overhaul	Present Rtrhs.	Hours Remains
Condition Based Aftercooler - Housing Seals Replacement	YES	Overhauling	0 CBO		10/13/2025	11/13/2025		4/27		43432	-43432
Condition Based Oil Filter - Differential Pressure Gauge Replacement	YES	Overhauling	0 CBO		10/19/2025	11/19/2025	10/21			43432	-43432
Condition Based VMS Panel Display Replacement	YES	Overhauling	0 CBO		10/27/2025	11/27/2025	18/13			43432	-43432
Condition Based Instrument Electronic Panel Display Replacement	YES	Overhauling	0 CBO		10/27/2025	11/27/2025	18/13			43432	-43432
Condition Based Air Starter - Worn Components Replacement	YES	Overhauling	0 CBO		10/26/2025	11/26/2025	17/14			43432	-43432
Condition Based Faulty Sensor Replacement	YES	Overhauling	0 CBO		10/23/2025	11/23/2025	14/17			43432	-43432
Condition Based ECM Replacement	YES	Overhauling	0 CBO		11/8/2025	11/15/2025	6/1			43432	-43432
Fuel Sulphur Content Monitoring	YES	Inspection and Visual Check	0 CBO		9/1/2025	12/1/2025	22/69	761		43432	239
Condition Based Air Pressure Regulating Valve Replacement	YES	Overhauling	0 CBO		10/20/2025	2/5/2026	44247	88/20	185	43432	815
Condition Based Fuel Shutoff Valve Solenoid Replacement	YES	Overhauling	0 CBO		10/20/2025	2/5/2026	44247	88/20	185	43432	815
Condition Based Power Module Replacement	YES	Overhauling	0 CBO		9/15/2025	12/12/2025	43804	33/55	628	43432	372
Condition Based Air Starter Replacement of Solenoid Valve	YES	Overhauling	0 CBO		10/20/2025	2/5/2026	44247	88/20	185	43432	815
Condition Based Crankcase - Cover Seals Replacement	YES	Overhauling	0 CBO		8/14/2016	12/3/2032	47768	2581/3374	5664	43432	4336
Monthly Inspection of DG Cooling Water System Compensators	YES	Inspection and Visual Check	1000 HOURS		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
Monthly Record of Engine Average Load	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
Monthly Clean The Breather Deck Vent Strainer	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
Monthly Monitor temperature and pressure of LT Water Pump	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
Monthly Inspection of Engine Exhaust System	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
Monthly Monitor and Record Booster Pressure of Air Filters	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
Weekly Inspect Eliminator Hydraulic Motor Rotation	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
1000 Running Hours-Replace Eliminator Centrifuge Cartridge	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
1000 Hours Replacement of Engine Air Cleaner Filter	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
1000 Hours Replacement of Engine Air Cleaner Filter	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
1000 Hours Replacement of Engine Air Cleaner Filter	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
1000 Hours - Inspection of Vibration Damper	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
Test Alarm - Gen. Drive End Bearing Temp.	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
Test Alarm - Gen. Power supply Fault	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
Test Alarm - Gen. Cylinder Cooling Water Outlet Temp. High	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
Test Alarm - Gen. Sensor Fault	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
Test Alarm - Gen. Non drive end bearing temp.	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
Test Alarm - Gen. Lub Oil Pressure Low	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
Test Alarm - Generator - High Speed	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
Test Alarm - Gen. Exhaust gas temp. Left bank stack high	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
Test Alarm - Gen. Common Warning	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
Test Alarm - Gen. No Power to ECM	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
Test Alarm - Gen. Exhaust gas temp. Left bank stack high	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
Test Alarm - Generator - Fail to Start	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
Test Alarm - Gen. Cylinder Water Inlet Pressure Low	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
12-Month Inspection on Oil Flexible Hoses	YES	Inspection and Visual Check	12 MONTH		5/7/2025	5/7/2026	179/186			43432	-43432
Test Alarm - Gen. Lube oil inlet temp.	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
Test Alarm - DG Lube Oil Filter Differential Pressure High	YES	Alarms and Trip Tests	12 MONTH		8/3/2025	8/3/2026	267/98			43432	-43432
12-Month Inspection on Water Flexible Hoses	YES	Inspection and Visual Check	12 MONTH		5/7/2025	5/7/2026	179/186			43432	-43432
Test Alarm - Gen. Aftercooler Water Inlet Temp. High	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
Test Alarm - Coolant Expansion Tank Level	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
Test Alarm - Gen. Charge Air Receiver Temp. Left Bank Rear	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
Test Alarm - Gen. Charge Air Receiver Temp. Right Bank Rear	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
Test Alarm - Gen. Charge Air Receiver Temp. Right Bank Front	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
Test Alarm - Air Inlet and Exhaust Differential Pressure	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
Test Alarm - DG FO Filter Outlet Press	YES	Alarms and Trip Tests	12 MONTH		8/4/2025	8/4/2026	268/97			43432	-43432
12-Month Inspection of Vibracou Mounts	YES	Inspection and Visual Check	12 MONTH		8/7/2025	8/7/2026	12 MONTH	271/94		43432	-43432
12-Month - Adjust Isolators	YES	Inspection and Visual Check	15000 HOURS		8/14/2016	1/26/2041	52768	5557/3374	5664	43432	9336
15000 Hours Extended Overhaul - Boroscopic inspection of Cylinders	YES	Overhauling	15000 HOURS		5/15/2023	3/30/2027	48799	506/909	9633	43432	5367
15000 Hours Extended Overhaul-Replace Connecting Rod Bearings	YES	Inspection and Visual Check	15000 HOURS		8/14/2016	1/26/2041	52768	5557/3374	5664	43432	9336
15000 Hours Extended Overhaul - Boroscopic inspection of Cylinders	YES	Overhauling	15000 HOURS		8/22/2019	3/31/2033	51583	2699/2271	6849	43432	8151
15000 Hours Extended Overhaul - Replace Connecting Rod Bearings	YES	Inspection and Visual Check	15000 HOURS		8/14/2016	1/26/2041	52768	5557/3374	5664	43432	9336
15000 Hours Extended Overhaul - Boroscopic inspection of Cylinders	YES	Overhauling	15000 HOURS		5/15/2023	3/30/2027	48799	506/909	9633	43432	5367
15000 Hours Extended Overhaul - Replace Connecting Rod Bearings	YES	Inspection and Visual Check	15000 HOURS		8/14/2016	1/26/2041	52768	5557/3374	5664	43432	9336
15000 Hours Extended Overhaul - Boroscopic inspection of Cylinders	YES	Overhauling	15000 HOURS		5/15/2023	3/30/2027	48799	506/909	9633	43432	5367
15000 Hours Extended Overhaul-Replace Connecting Rod Bearings	YES	Inspection and Visual Check	15000 HOURS		8/14/2016	1/26/2041	52768	5557/3374	5664	43432	9336
15000 Hours Extended Overhaul - Boroscopic inspection of Cylinders	YES	Overhauling	15000 HOURS		5/15/2023	3/30/2027	48799	506/909	9633	43432	5367
15000 Hours Extended Overhaul - Replace Connecting Rod Bearings	YES	Inspection and Visual Check	15000 HOURS		8/14/2016	1/26/2041	52768	5557/3374	5664	43432	9336
15000 Hours Extended Overhaul - Boroscopic inspection of Cylinders	YES	Overhauling	15000 HOURS		5/15/2023	3/30/2027	48799	506/909	9633	43432	5367

Equipment Code	Equipment Name	Job Title	Active	Job Type	Primary Frequency	Secondary Frequency	Last Done Date	Next Due Date	Next Due Hrs.	Days Left	RHrs. From Last Overhaul	Present RHrs.	Hours Remains
7.10.1	Pump S70-S0-175/D02 (Bilge Water)	Condition Based Overhaul of Pump	NO	Performance Check	0 CBO								0
7.10.2.2.1	EI. Motor (Oily Water Separator Supply)	Condition Based Overhaul On EI. Motor	YES	Overhauling	0 CBO								0
7.10.2.2.2	Suction Filter (Oily Water Separator Supply)	Condition Based Cleaning of Pumps Inlet Filters	NO	Cleaning	0 CBO								0
7.10.2.2.2	Suction Filter (Oily Water Separator Supply)	Condition Based Replacement of Pump Inlet Filter	YES	Overhauling	0 CBO								0
7.10.2	Oily Water Separator (I)	Monthly Cleaning Of Oily Water Separator	YES	Cleaning	1 MONTH		10/27/2025	11/27/2025		18/13			0
7.10.3.1	Bilge Filters/Strainers (I)	Monthly Cleaning on Bilge Wells Strainers	YES	Cleaning	1 MONTH		11/3/2025	12/3/2025		24/6			0
7.10.2.1	15 ppm Bilge Alarm Monitor (I)	Weekly Inspection on 15 ppm OWS Alarm Monitor	YES	Inspection and Visual Check	1 WEEK		11/8/2025	11/15/2025		6/1			0
7.10.3.2	Level Alarm Switches (I)	Weekly Test On Bilge Level Alarms	YES	Test	1 WEEK		11/23/2009	11/15/2025		6/1			0
7.10.2	Oily Water Separator (I)	Test Alarm - Oily water separator bilge - 15 ppm Alarm	NO	Alarms and Trip Tests	12 MONTH		8/4/2025	8/4/2026		0/5830			0
7.10.2	Oily Water Separator (I)	Test Alarm - Oily water separator - Common alarm	YES	Alarms and Trip Tests	12 MONTH		8/4/2025	8/7/2026		268/97			0
7.10.2	Oily Water Separator (I)	12-Monthly Overhaul On Oily Water Separator	YES	Overhauling	12 MONTH		8/7/2025	8/7/2026		271/94			0
7.10.2	Oily Water Separator (I)	12-Monthly on bilge water separator	NO	Oil Analysis by Laboratory	12 MONTH		1/19/2014			0/4312			0
7.10.2.1	15 ppm Bilge Alarm Monitor (I)	12-Monthly Routine On Snar Cell-Bilge Monitor	NO	Overhauling	12 MONTH		11/10/2015			0/3652			0
7.10.3.2	Level Alarm Switches (I)	Monthly routine on bilge levels	NO	Alarms and Trip Tests	12 MONTH		12/24/2009			0/5799			0
7.10.1	Pump S70-S0-175/D02 (Bilge Water)	2-Month - Performance Check on Pump	NO	Performance Check	2 MONTH		1/27/2018	12/15/2025		0/2843			0
7.10.1.2	Filter (Bilge Water)	2-Month Cleaning On Bilge Pump Suction Filter	YES	Cleaning	2 MONTH		10/15/2025	12/20/2025		36/25			0
7.10.2.2.2	Suction Filter (Oily Water Separator Supply)	2-Month Cleaning On Suction Filter	YES	Cleaning	2 MONTH		10/20/2025	12/20/2025		41/20			0
7.10	Bilge Systems (I)	30-Month Cleaning Of Bilge	NO	Cleaning	30 MONTH		12/3/2015			0/3629			0
7.10.2	Oily Water Separator (I)	6-Month Inspection On Oily Water Separator	YES	Inspection and Visual Check	6 MONTH		7/27/2025	1/27/2026		79/105			0
7.10.1	Pump S70-S0-175/D02 (Bilge Water)	5-Year PMP Overhaul Of Pump	YES	Performance Check	60 MONTH		12/5/2019	1/1/2026		53/2166			0
7.10.1.1	EI. Motor (Bilge Water)	5-Year PMP Overhaul Of EI. Motor	YES	Overhauling	60 MONTH		11/26/2019	1/1/2026		53/2175			0
7.10.1.1	EI. Motor (Bilge Water)	Megger Test - Electric Motor	YES	Megger/Insulation Test	60 MONTH		8/6/2023	5/23/2027		560/826			0
7.10.2.1	15 ppm Bilge Alarm Monitor (I)	60-Month Calibration of 15 ppm Bilge Alarm Monitor	YES	Calibration	60 MONTH		8/6/2024	8/6/2029		1366/460			0
7.10.2.2	Pump Mono Screw GG (Oily Water Separator Supply)	5-Years PMP Overhaul of Pump	YES	Overhauling	60 MONTH		12/5/2019	1/1/2026		53/2166			0
7.10.2.2.1	EI. Motor (Oily Water Separator Supply)	60-Month Overhaul On EI. Motor	NO	Overhauling	60 MONTH		12/19/2014			0/3978			0
7.10.2.2.1	EI. Motor (Oily Water Separator Supply)	Megger Test on Electric Motor	YES	Megger/Insulation Test	60 MONTH		8/7/2023	8/7/2028		1002/825			0
7.10.2.2.1	EI. Motor (Oily Water Separator Supply)	60 monthly/ 30000 hours routine on motor	NO	Overhauling	60 MONTH		6/4/2014			0/4176			0

Equipment Code	Equipment Name	Job Title	Active	ABO Type	Primary Frequency	Secondary Frequency	Last Due Date	Next Due Date	Days Left	RHS From Last Overhaul	Present Rhs.	Hours Remains
5.23.1	Portable Gas Detector (No.1)	Sensor Replacement on Portable Gas Detector	YES	Overhauling	0 CBO							
5.23.1	Portable Gas Detector (No.1)	Sensor Cartridge Replacement	YES	Overhauling	0 CBO							
5.23.2	Portable Gas Detector (No.2)	Sensor Replacement on Portable Gas Detector	YES	Overhauling	0 CBO			7/4/2023	0/859			
5.23.2	Portable Gas Detector (No.2)	Sensor Cartridge Replacement	YES	Overhauling	0 CBO							
5.31.2	DC Motor (No.1 F/H)	Condition Based Swap of DCM	YES	Swap	0 CBO							
5.31.2	DC Motor (No.1 F/H)	Condition Based Swap of DCM Bearing Lubrication	YES	Lubrication/Greasing	0 CBO							
5.31.2.1	Cooling Blower (No.1 F/H)	Condition Based Swap of Complete Cooling Blower Unit	YES	Swap	0 CBO							
5.31.2.1	Cooling Blower (No.1 F/H)	Condition Based Swap of DCM Cooling Blower Cleaning	YES	Cleaning	0 CBO							
5.31.2.2	Heat Exchanger (No.1 F/H)	Condition Based Swap NBR RUBBER BELOW FLEXIBLE JOINT used for Heat Exchanger of DCM	YES	Swap	0 CBO							
5.31.4	Gear Box - 5:10:06:38 (No.1 F/H)	Condition Based Overhaul of F/H Gearbox	YES	Overhauling	0 CBO							
5.32.2	DC Motor (No.2 F/H)	Condition Based Swap of DCM	YES	Swap	0 CBO							
5.32.2	DC Motor (No.2 F/H)	Condition Based Swap of DCM Bearing Lubrication	YES	Lubrication/Greasing	0 CBO							
5.32.2.1	Cooling Blower (No.2 F/H)	Condition Based Swap of Complete Cooling Blower Unit	YES	Swap	0 CBO			8/7/2019	0/2286			
5.32.2.1	Cooling Blower (No.2 F/H)	Condition Based DCM Cooling Blower Cleaning	YES	Cleaning	0 CBO							
5.32.2.2	Heat Exchanger (No.2 F/H)	Condition Based Swap NBR RUBBER BELOW FLEXIBLE JOINT used for Heat Exchanger of DCM	YES	Swap	0 CBO							
5.35.1	Pump GRUNDOS QRLS-10-AF-AE-HQCE (Foam)	Condition Based Overhaul of F/H Gearbox	YES	Overhauling	0 CBO							
5.35.1.1	Electric Motor (Foam)	Condition Based Overhaul of F/H Motor	YES	Overhauling	0 CBO							
5.35.1.2	Electric Motor (Foam)	Condition Based Overhaul of F/H Motor	YES	Overhauling	0 CBO							
5.42.1.1	Fire Alarm Central Panel (Bridge)	Monthly Inspection On Fire Alarm Central Panel (Bridge)	YES	Inspection and Visual Check	1 MONTH		10/24/2025	11/24/2025	15/16			
5.42.1.2	Fire Alarm Central Panel (Bridge)	Monthly Testing of Fire Detection System	YES	Test	1 MONTH		11/9/2025	12/9/2025	30/0			
5.21.0	Fire Doors (I)	Monthly Test on Fire Doors Locally	YES	Test	1 MONTH		10/28/2025	11/28/2025	19/12			
5.21.2	Pneumatic Louvers System (I)	Monthly Test on Pneumatic Louvers system	YES	Test	1 MONTH		11/5/2025	12/5/2025	26/4			
5.21.2	Fireman Outfit (I)	Monthly Inspection On Fireman Outfit No.2 S/n 034314 (Change Room Ps.)	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.21.4	Fireman Outfit (I)	Monthly Inspection On Fireman Outfit No.2 S/n 034315 (Change Room Ps.)	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.21.4	Fireman Outfit (I)	Monthly Inspection On Fireman Outfit No.6 S/n 034317 (Change Room Ps.)	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.21.4	Fireman Outfit (I)	Monthly Inspection On Fireman Outfit No.3 S/n 034317 (Change Room Ps.)	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.21.4	Fireman Outfit (I)	Monthly Inspection On Fireman Outfit No.3 S/n 034315 (Change Room Ps.)	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.23.3	Fire Hoses And Hydrants (I)	Monthly Inspection On Fire Hoses And Hydrants	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.23.1	Portable foam applicator (I)	Monthly Inspection On Portable Foam Applicator (Main deck/ Main Gen. Room)	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.24.1	CO2 Fire Extinguishers (I)	Monthly Inspection on all CO2 Fire Extinguishers	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.24.2	Dry Powder Fire Extinguishers (I)	Monthly Inspection on all Dry Powder Fire Extinguishers	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.24.3	CO2 Fire Extinguishers (I)	Monthly Inspection on all CO2 Fire Extinguishers	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.25.0	CO2 Fire Extinguishing System (I)	Monthly Inspection On Fixed CO2 Fire Extinguishing Systems	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.26	CO2 Fire Extinguishing System (I)	Monthly Inspection On Fixed CO2 Fire Extinguishing Systems from Emergency Generator Room	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.27	CO2 Fire Extinguishing System for Em. Gen. Room (I)	Monthly Inspection On Fixed CO2 Fire Extinguishing Systems from Bow Thruster DC Motor	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.28	CO2 Fire Extinguishing System for L-Drive DC Motor (I)	Monthly Inspection On Fixed CO2 Fire Extinguishing Systems from Bow Thruster DC Motor	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.29	Deck Routines (I)	Monthly Inspection On Deck CO2 Fire Extinguishing Systems from Galley	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.22.1	DC Motor (No.1 F/H)	Monthly Test on DC Motor	YES	Test	1 MONTH		10/29/2025	11/29/2025	20/11			
5.22.2	DC Motor (No.2 F/H)	Monthly Test on DC Motor	YES	Test	1 MONTH		10/29/2025	11/29/2025	20/11			
5.23.2	Portable Gas Detector (No.1)	Monthly Test on Portable Gas Detector	YES	Test	1 MONTH		10/29/2025	11/29/2025	20/11			
5.23.2	Portable Gas Detector (No.2)	Monthly Test on Portable Gas Detector	YES	Test	1 MONTH		10/29/2025	11/29/2025	20/11			
5.24	Emergency Hose Register (I)	Monthly Test on Emergency Hose Register	YES	Test	1 MONTH		10/29/2025	11/29/2025	20/11			
5.26	Hydraulic Hose Register (I)	Monthly Test on Hydraulic Hose Register	YES	Test	1 MONTH		10/29/2025	11/29/2025	20/11			
5.31.1	Pump 250-350 OOF (No.1 F/H)	Monthly Inspection of FFI Pump Inlet/Outlet Compensators	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.31.2	DC Motor (No.1 F/H)	Monthly Inspection and Cleaning of DCM	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.31.2	DC Motor (No.2 F/H)	Monthly Inspection and Cleaning of DCM	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.31.6	FFI Monitor (No.1 F/H)	Monthly Inspection and Greasing of FFI Monitor	YES	Lubrication/Greasing	1 MONTH		10/29/2025	11/29/2025	20/11			
5.31.6	FFI Monitor (No.2 F/H)	Monthly Test On FFI System	YES	Test	1 MONTH		11/9/2025	12/9/2025	30/0			
5.32.1	Pump 250-350 OOF (No.2 F/H)	Monthly Inspection of FFI Pump Inlet/Outlet Compensators	YES	Inspection and Visual Check	1 MONTH		11/9/2025	12/9/2025	30/0			
5.32.2	DC Motor (No.2 F/H)	Monthly Inspection and Cleaning of DCM	YES	Inspection and Visual Check	1 MONTH		11/9/2025	12/9/2025	30/0			
5.32.2.1	Cooling Blower (No.2 F/H)	Monthly Visual Inspection of DCM Cooling Blower	YES	Inspection and Visual Check	1 MONTH		11/9/2025	12/9/2025	30/0			
5.32.6	FFI Monitor (No.2 F/H)	Monthly Inspection and Greasing of FFI Monitor	YES	Lubrication/Greasing	1 MONTH		10/29/2025	11/29/2025	20/11			
5.35	Fixed External Foam Fire Extinguishing System (I)	Monthly Inspection On Foam Fire Extinguishing System	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.41	MOB Boat (I)	Monthly Test on MOB Boat	YES	Test	1 MONTH		10/29/2025	11/29/2025	20/11			
5.41.1	Engine (I)	Monthly Inspection Rescue Boat Engine	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.41.2	Off Load Release Hook (I)	Monthly Inspection On Off Load Release Hook	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.42	MOB, Davit (I)	Monthly Inspection On Rescue MOB Davit	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.43.1	Lifebuoys With Line (I)	Monthly Inspection On Lifebuoys With Line	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.43.2	Lifebuoys With Smoke/Light Signals (I)	Monthly Inspection On Lifebuoys With Smoke/Light Signals	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.43.3	Lifebuoys With Self Ignition Light Signals (I)	Monthly Inspection On Lifebuoys With Self Ignition Light Signals	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.43.4	Lifebuoys With Self Ignition Light Signals (I)	Monthly Inspection On Lifebuoys With Self Ignition Light Signals	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.45.1	Liferaft (No.XC-BET8A0909)	Monthly Inspection Of Life Raft	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.45.2	Liferaft (No.XC-BET7A0909)	Monthly Inspection Of Life Raft	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.45.3	Liferaft (No.XC-BET7A0909)	Monthly Inspection Of Life Raft	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.45.4	Liferaft (No.XC-BET7A0909)	Monthly Inspection Of Life Raft	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.45.5	Liferaft (No.XC-BET7A0909)	Monthly Inspection Of Life Raft	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.45.6	Liferaft (No.XC-BET7A0909)	Monthly Inspection Of Life Raft	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.51.0	Quick-Closing Valve (QCV)	Monthly Test on Quick-Closing Valve	YES	Test	1 MONTH		10/29/2025	11/29/2025	20/11			
5.51.2	Quick-Closing Valve (QCV)	Monthly Test on Quick-Closing Valve	YES	Test	1 MONTH		10/29/2025	11/29/2025	20/11			
5.51.3	Quick-Closing Valve (QCV)	Monthly Test on Quick-Closing Valve	YES	Test	1 MONTH		10/29/2025	11/29/2025	20/11			
5.51.4	Quick-Closing Valve (QCV)	Monthly Test on Quick-Closing Valve	YES	Test	1 MONTH		10/29/2025	11/29/2025	20/11			
5.7.1	EPRB (Automatic)	Monthly Inspection On EPRB	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.7.10	Portable VHF (No.1)	Monthly Test On Portable VHF	YES	Test	1 MONTH		10/29/2025	11/29/2025	20/11			
5.7.11	Portable VHF (No.2)	Monthly Test On Portable VHF	YES	Test	1 MONTH		10/29/2025	11/29/2025	20/11			
5.7.12	Portable VHF (No.3)	Monthly Test On Portable VHF	YES	Test	1 MONTH		10/29/2025	11/29/2025	20/11			
5.7.3	Redar Transponder (Port)	Monthly Test On Redar Transponder	YES	Test	1 MONTH		10/29/2025	11/29/2025	20/11			
5.7.4	Redar Transponder (Starb)	Monthly Test On Redar Transponder	YES	Test	1 MONTH		10/29/2025	11/29/2025	20/11			
5.7.6	Watch Receiver VHF with DSC Semi Duplex (No.1)	Monthly Test On Watch Receiver VHF with DSC Semi Duplex	YES	Test	1 MONTH		10/29/2025	11/29/2025	20/11			
5.7.7	Watch Receiver VHF with DSC Semi Duplex (No.2)	Monthly Test On Watch Receiver VHF with DSC Semi Duplex	YES	Test	1 MONTH		10/29/2025	11/29/2025	20/11			
5.8	SSAS & UPS (I)	Monthly Test On SSAS & UPS	YES	Inspection and Visual Check	1 MONTH		10/29/2025	11/29/2025	20/11			
5.9	RPS System (I)	Monthly Test on RPS System	YES	Test	1 MONTH		10/29/2025	11/29/2025	20/11			
5.21	Fire Alarm Central Panel (Bridge)	Weekly Testing of Fire Detection and Alarm System	YES	Test	1 WEEK		11/8/2025	11/25/2025	6/1			

Equipment Code	Equipment Name	Job Title	Active	ABO Type	Primary Frequency	Secondary Frequency	Last Due Date	Next Due Date	Days Left	Present Rtns.	Hours Remains
5.3.2.2	DC Motor (No.2 F-F)	Test Alarm - DCM Winding Temp	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	277/94		0
5.3.2.2	DC Motor (No.2 F-F)	Test Alarm - Emergency Stop DCM	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	277/94		0
5.3.2.2	DC Motor (No.2 F-F)	Test Alarm - Emergency Stop DCM	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	277/94		0
5.3.5.1	Electric Motor (Foam)	12-Month Inspection On Fire Extinguishing System	YES	Inspection and Visual Check	12 MONTH		7/15/2025	7/15/2026	254/113		0
5.3.5.1	Electric Motor (Foam)	12-Month Greasing on El. Motor	YES	Lubrication/Greasing	12 MONTH		8/7/2025	8/7/2026	271/94		0
5.4.1.1	MOB Boat ()	12-Month Survey On Rescue Boat	YES	Inspection and Visual Check	12 MONTH		7/15/2025	7/15/2026	254/101		0
5.4.1.1	MOB Boat ()	12-Month Overhaul Rescue Boat Engine	YES	Overhauling	12 MONTH		5/21/2025	5/21/2026	193/172		0
5.4.1.2	Off Load Release Hook ()	12-Month Survey On Off Load Release Hook	YES	Inspection and Visual Check	12 MONTH		8/20/2025	8/20/2026	286/81		0
5.4.3.3	Lifaboys With Self-Ignition Light Signals ()	12-Month Battery Replacement On Lifaboys With Light Signals	YES	Inspection and Visual Check	12 MONTH		7/17/2025	7/17/2026	260/105		0
5.4.3.3	Lifaboys With Self-Ignition Light Signals ()	12-Month Survey On Life Rafts	YES	Inspection and Visual Check	12 MONTH		7/15/2025	7/15/2026	254/111		0
5.4.5.1	Liferaft (No.XDC BE17A090)	12-Month Survey On Life Raft	YES	Inspection and Visual Check	12 MONTH		7/15/2025	7/15/2026	254/111		0
5.4.5.2	Liferaft (No.XDC BE17A090)	12-Month Survey On Life Raft	YES	Inspection and Visual Check	12 MONTH		7/16/2025	7/16/2026	249/116		0
5.4.5.3	Liferaft (No.XDC BE17A090)	12-Month Survey On Life Raft	YES	Inspection and Visual Check	12 MONTH		7/16/2025	7/16/2026	249/116		0
5.4.5.4	Liferaft (No.XDC BE17A090)	12-Month Survey On Life Raft	YES	Inspection and Visual Check	12 MONTH		7/15/2025	7/15/2026	254/111		0
5.4.5.4	Liferaft (No.XDC BE17A090)	12-Month Survey On Life Raft	YES	Inspection and Visual Check	12 MONTH		7/15/2025	7/15/2026	254/111		0
5.4.5.6	Liferaft (No.XDC BE17A090)	12-Month Survey On Life Raft	YES	Inspection and Visual Check	12 MONTH		7/15/2025	7/15/2026	254/111		0
5.4.5.7	Embarcation Rope Ladders ()	12-Month Survey On Rope Ladders	YES	Inspection and Visual Check	12 MONTH		7/15/2025	7/15/2026	262/108		0
5.4.5.7	Embarcation Rope Ladders ()	12-Month Survey On Rope Ladders	YES	Inspection and Visual Check	12 MONTH		7/15/2025	7/15/2026	262/108		0
5.5.1.1	Air Receiver (P)	Test Alarm - Air receiver gauge closing valve - Press low	YES	Alarms and Trip Tests	12 MONTH		8/4/2025	8/4/2026	268/97		0
5.6.1	Emergency Escape Breathing Device (EEBD) (EEBD)	12-Month Inspection On EEBD No.9 (Hold deck / B.1.Fm)	YES	Inspection and Visual Check	12 MONTH		7/15/2025	7/15/2026	254/111		0
5.6.1	Emergency Escape Breathing Device (EEBD) (EEBD)	12-Month Inspection On EEBD No.8 (2 driver room 3a)	YES	Inspection and Visual Check	12 MONTH		7/15/2025	7/15/2026	254/111		0
5.6.1	Emergency Escape Breathing Device (EEBD) (EEBD)	12-Month Inspection On EEBD No.3 (01 Deck /O/engineer Rm)	YES	Inspection and Visual Check	12 MONTH		7/15/2025	7/15/2026	254/111		0
5.6.1	Emergency Escape Breathing Device (EEBD) (EEBD)	12-Month Inspection On EEBD No.2 (01 Deck /Passage)	YES	Inspection and Visual Check	12 MONTH		7/15/2025	7/15/2026	254/111		0
5.6.1	Emergency Escape Breathing Device (EEBD) (EEBD)	12-Month Inspection On EEBD No.2 (2 Deck /Passage)	YES	Inspection and Visual Check	12 MONTH		7/16/2025	7/16/2026	254/111		0
5.6.1	Emergency Escape Breathing Device (EEBD) (EEBD)	12-Month Inspection On EEBD No.4 (JCFE Deck /Passage)	YES	Inspection and Visual Check	12 MONTH		6/28/2025	6/28/2026	231/134		0
5.6.1	Emergency Escape Breathing Device (EEBD) (EEBD)	12-Month Inspection On EEBD No.5 (Main deck/EOS)	YES	Inspection and Visual Check	12 MONTH		7/15/2025	7/15/2026	254/111		0
5.7	GNDS5 System ()	Test Alarm - GNDS5 Distribution Low Voltage	YES	Alarms and Trip Tests	12 MONTH		1/16/2025	1/16/2026	68/297		0
5.7.1	EPRB (Automatic)	12-Month Inspection On EPRB	YES	Inspection and Visual Check	12 MONTH		8/27/2025	8/27/2026	291/74		0
5.7.2	Immarsat C Satellite Earth Station ()	12-Month Test On EPRB	YES	Test	12 MONTH		8/27/2025	8/27/2026	286/79		0
5.7.9	Immarsat C Satellite Earth Station ()	12-Month Test On Immarsat -C	YES	Test	12 MONTH		8/22/2025	8/22/2026	286/79		0
5.8	Fire Extinguishers ()	10 Years PMP Test On Fire Extinguishers And Wheeled	YES	Test	12 MONTH		5/31/2022	5/31/2023	2385/1258		0
5.2.4	CO2 Fire Extinguishing System for En. Gen. Room ()	10 Years /5 (French Flag) PMP Hydrostatic Test On Fixed CO2 Fire Extinguishing Systems fr	YES	Overhauling	120 MONTH		5/31/2022	5/31/2023	2385/1258		0
5.2.6	CO2 Fire Extinguishing System for Bow Thruster DC Motor ()	10 Years /5 (French Flag) PMP Hydrostatic Test On Fixed CO2 Fire Extinguishing Systems fr	YES	Overhauling	120 MONTH		5/31/2022	5/31/2023	2385/1258		0
5.2.7	CO2 Fire Extinguishing System for L-Drive DC Motor ()	10 Years /5 (French Flag) PMP Hydrostatic Test On Fixed CO2 Fire Extinguishing Systems fr	YES	Overhauling	120 MONTH		5/31/2022	5/31/2023	2385/1258		0
5.2.8	CO2 Fire Extinguishing System for L-Drive DC Motor ()	10 Years /5 (French Flag) PMP Hydrostatic Test On Fixed CO2 Fire Extinguishing Systems fr	YES	Overhauling	120 MONTH		7/15/2022	7/15/2023	2456/1197		0
5.2.9	Pump 250-350 ODF (No.2 F-F)	10 Years PMP Overhaul - Inspection/Overhaul Of H/F Pump	YES	Overhauling	120 MONTH		10/17/2025	10/17/2026	3609/73		0
5.3.1.1	Pump 250-350 ODF (No.2 F-F)	10 Years PMP Overhaul - Inspection/Overhaul Of H/F Pump	YES	Overhauling	120 MONTH		10/17/2025	10/17/2026	3609/73		0
5.3.2.1	Manual Weighted Doors (BT Room)	2-Month Lubrication On Waterlight Doors	YES	Lubrication/Greasing	2 MONTH		10/16/2025	10/16/2026	3609/73		0
5.19	Filter (Fire pump)	2-Month Cleaning On Fire Pump Suction Filter	YES	Cleaning	2 MONTH		10/22/2025	12/22/2025	47/14		0
5.2.2.1.2	Filter (Emergency Fire pump)	2-Month Cleaning On Fire Pump Suction Filter	YES	Cleaning	2 MONTH		10/17/2025	12/17/2025	43/18		0
5.2.2.2.2	SOPEP Equipment ()	2-Month Inspection On Oil Pollution Equipment Portable	YES	Inspection and Visual Check	2 MONTH		10/17/2025	12/17/2025	38/23		0
5.20	Suction Filter (Foam)	2-Month Cleaning On Suction Filter	YES	Cleaning	2 MONTH		9/24/2025	11/24/2025	15/46		0
5.4.2.2.1	Deck Winch Cable ()	2-Month Lubrication on Rescue Boat Wire Falls	YES	Lubrication/Greasing	2 MONTH		10/26/2025	12/26/2025	47/14		0
5.3.3.3	H-F Coupling (No.2 F-F)	24-Month Alignment Check On Gear Coupling	YES	Inspection and Visual Check	24 MONTH		6/13/2025	8/13/2025	56/154		0
5.3.1.1	Oil Cooler (No.1 F-F)	24-Month Greasing of Oil Cooler	YES	Cleaning	24 MONTH		7/16/2025	7/16/2027	630/126		0
5.3.1.4.1	H-F Coupling (No.2 F-F)	24-Month Alignment Check On Gear Coupling	YES	Inspection and Visual Check	24 MONTH		8/7/2025	8/7/2027	636/94		0
5.3.2.3	Gear Box - 5-10.0638 (No.2 F-F)	24-Month Oil Change on H/F Gearbox	YES	Oil Replacement	24 MONTH		8/7/2025	8/7/2027	636/94		0
5.3.2.4	Oil Cooler (No.2 F-F)	24-Month Cleaning of Oil Cooler	YES	Cleaning	24 MONTH		7/16/2025	7/16/2027	630/126		0
5.4.5.1.1	Hydrostatic Release (Liferaft No.XDC BE172A090)	24-Month Replacement of Hydrostatic Release	YES	Swap	24 MONTH		6/28/2024	6/28/2026	231/499		0
5.4.5.2.1	Hydrostatic Release (Liferaft No.XDC BE177A090)	24-Month Replacement of Hydrostatic Release	YES	Swap	24 MONTH		6/28/2024	6/28/2026	231/499		0
5.4.5.2.1	Hydrostatic Release (Liferaft No.XDC BE177A090)	24-Month Replacement of Hydrostatic Release	YES	Swap	24 MONTH		6/28/2024	6/28/2026	231/499		0
5.4.5.4.1	Hydrostatic Release (Liferaft No.XDC BE176A090)	24-Month Replacement of Hydrostatic Release	YES	Swap	24 MONTH		6/28/2024	6/28/2026	231/499		0
5.4.5.5.1	Hydrostatic Release (Liferaft No.XDC BE176A090)	24-Month Replacement of Hydrostatic Release	YES	Swap	24 MONTH		6/28/2024	6/28/2026	231/499		0
5.4.5.6.1	Hydrostatic Release (Liferaft No.XDC BE176A090)	24-Month Replacement of Hydrostatic Release	YES	Swap	24 MONTH		6/28/2024	6/28/2026	231/499		0
5.7.1.1	Fire Dampers ()	3-Month Test on Fire Damper	YES	Overhauling	3 MONTH		11/1/2025	6/26/2024	229/501		0
5.2.1.1	Deck Routines ()	3-Month HM Inventory Surveillance	YES	Test	3 MONTH		11/1/2025	2/1/2026	84/8		0
5.2.2.1	Remote Controlled Battery Water Valve (Sea Water Outlet Valve FFI No.1)	3-Month Inspection On Remote Controlled Valve(s)	YES	Inspection and Visual Check	3 MONTH		9/25/2025	12/25/2025	46/45		0
5.3.1.5	Remote Controlled Battery Water Valve (FFI No.2)	3-Month Inspection On Remote Controlled Valve(s)	YES	Inspection and Visual Check	3 MONTH		9/25/2025	12/25/2025	46/45		0
5.3.5	Fixed External Foam Fire Extinguishing System ()	3-Month Inspection On Foam Fire Extinguishing System	YES	Inspection and Visual Check	3 MONTH		9/26/2025	12/26/2025	47/44		0
5.4.1.1	Engine ()	3-Month Overhaul Rescue Boat Engine	YES	Overhauling	3 MONTH		11/3/2025	2/3/2026	86/6		0
5.4.2.1.2	MOB Davit Powerpack Pump ()	3-Month MOB Davit Pump Filter Cleaning	YES	Inspection and Visual Check	3 MONTH		8/26/2025	11/26/2025	17/75		0
5.4.6.1	Line Throwing Appliance ()	3-Month Test On Line Throwing Appliance	YES	Inspection and Visual Check	3 MONTH		9/24/2025	12/4/2025	45/46		0
5.5.2	Emergency Stops ()	3-Month Test On Emergency Stop Fans	YES	Alarms and Trip Tests	3 MONTH		11/4/2025	2/4/2026	87/5		0
5.5.2	Emergency Stops ()	3-Month Test On Emergency Stop Fans	YES	Alarms and Trip Tests	3 MONTH		9/30/2025	12/30/2025	40/51		0
5.5.2	Emergency Stops ()	3-Month Test On Emergency Stop 10 Purifier	YES	Alarms and Trip Tests	3 MONTH		9/30/2025	12/30/2025	40/51		0
5.5.2	Emergency Stops ()	3-Month Test On Emergency Stop Cargo Pumps	YES	Alarms and Trip Tests	3 MONTH		9/30/2025	12/30/2025	40/51		0
5.5.2	Emergency Stops ()	3-Month Test On Emergency Stop Deck Equipment	YES	Alarms and Trip Tests	3 MONTH		9/30/2025	12/30/2025	40/51		0
5.5.2	Emergency Stops ()	3-Month Test On Emergency Stop ER Pumps	YES	Alarms and Trip Tests	3 MONTH		9/30/2025	12/30/2025	40/51		0
5.5.2	Emergency Stops ()	3-Month Test On Emergency Stop ER Pumps	YES	Alarms and Trip Tests	3 MONTH		9/30/2025	12/30/2025	40/51		0
5.7.8	MF/HF SSB Radiotelephone ()	3-Month Checking for SSB Radiotelephone	YES	Inspection and Visual Check	3 MONTH		9/26/2025	12/26/2025	50/41		0
5.8	SSAS & UPS ()	3-Month Inspection on UPS System	YES	Inspection and Visual Check	3 MONTH		9/26/2025	12/26/2025	47/44		0
5.2.5	CO2 Fire Extinguishing System ()	30-Month Test On Fixed CO2 Fire Extinguishing Systems	YES	Test	30 MONTH		5/9/2023	11/9/2023	179/16		0
5.2.5	CO2 Fire Extinguishing System ()	30-Month Test On Fixed CO2 Fire Extinguishing Systems	YES	Test	30 MONTH		5/9/2023	11/9/2023	179/16		0
5.2.7	CO2 Fire Extinguishing System for En. Gen. Room ()	30-Month Test On Fixed CO2 Fire Extinguishing Systems from Bow Thruster DC Motor	YES	Test	30 MONTH		8/22/2024	2/22/2027	420/444		0
5.2.8	CO2 Fire Extinguishing System for L-Drive DC Motor ()	30-Month Test On Fixed CO2 Fire Extinguishing Systems from L-Drive DC Motor	YES	Test	30 MONTH		8/22/2024	2/22/2027	420/444		0
5.3.1.2	DC Motor (No.1 F-F)	Meigler Test of DCM's Heater (230VAC)	YES	Meigler/Insulation Test	30 MONTH		8/22/2024	2/22/2027	420/444		0
5.3.1.2	DC Motor (No.1 F-F)	Meigler Test of DCM's Heater (230VAC)	YES	Meigler/Insulation Test	30 MONTH		8/7/2023	2/7/2026	90/825		0
5.3.2.2	DC Motor (No.2 F-F)	Meigler Test of DCM	YES	Meigler/Insulation Test	30 MONTH		8/7/2023	2/7/2026	90/825		0
5.3.2.2	DC Motor (No.2 F-F)	Meigler Test of DCM	YES	Meigler/Insulation Test	30 MONTH		8/7/2023	2/7/2026	90/825		0
5.4.2.1	Davit Hydraulic Pintel ()	30-Month Oil Change on H/F MOB Davit	YES	Oil Replacement	30 MONTH		10/9/2024	4/9/2027	516/336		0
5.4.3.2	Lifaboys With Smoke/Light Signals ()	36-Month Overhaul on Lifaboys with Smoke/Light Signals	YES	Overhauling	36 MONTH		4/30/2028	4/30/2028	903/193		0
5.4.6.1	Line Throwing Appliance ()	36-Month Replacement of Line Throwing Appliance	YES	Overhauling	36 MONTH		2/28/2025	2/28/2028	841/254		0
5.2.1.1	Fire Dampers ()	6-Month Lubrication on Fire Dampers	YES	Lubrication/Greasing	6 MONTH		5/29/2025	11/29/2025	20/164		0
5.2.1.2	Pneumatic Louvers System ()	6-Month Test on Stability Software And Documentation	YES	Test	6 MONTH		7/15/2025	1/15/2026	83/101		0
5.2.1	Stability Software ()	6-Month Test on Stability Software And Documentation	YES	Test	6 MONTH		8/27/2025	2/27/2026	110/74		0
5.2.1.1	Portable Gas Detector (No.1)	6-Month Calibration on Gas Detector Portable	YES	Calibration	6 MONTH		8/22/2025	2/22/2026	85/99		0

Equipment Code	Equipment Name	Job Title	Active	ABO Type	Primary Frequency	Secondary Frequency	Last Due Date	Next Due Date	Days Left	RHS From last Overhaul	Present Rhs	Hours Remains
5.23.2	Portable Gas Detector (No.2)	6-Month Calibration on Gas Detector Portable	YES	Calibration	6 MONTH		8/27/2025	2/27/2026	85/99			0
5.23	Oil Dispensant Spray System	6-Month Test on Antipid Spray System	YES	Test	6 MONTH		6/28/2025	12/28/2025	47/136			0
5.23.1	Fire Extinguisher (No.1 F-H)	6-Month Inspection On Emergency Action Bldg	YES	Inspection and Visual Check	6 MONTH		7/12/2025	1/12/2026	83/101			0
5.31.3	Gear Box - 5-10.0638 (No.1 F-H)	6-Month Oil Analysis On Gearbox	YES	Oil Analysis by Laboratory	6 MONTH		7/12/2025	1/12/2026	83/101			0
5.32.3	F-H Coupling (No.2 F-H)	6-Month Inspection On Coupling	YES	Inspection and Visual Check	6 MONTH		7/17/2025	1/17/2026	79/105			0
5.32.4	Gear Box - 5-10.0638 (No.2 F-H)	6-Month Oil Analysis On Gearbox	YES	Oil Analysis by Laboratory	6 MONTH		7/17/2025	1/17/2026	83/101			0
5.41.1	Davit Hydraulic Pump	6-Month Overhaul Rescue Boat Engine	YES	Overhauling	6 MONTH		11/5/2025	5/5/2026	177/4			0
5.42.1.4	MOB Davit Hydraulic Accumulator (I)	6-Month Inspection On Oil Analysis on MOB Davit HPU	YES	Oil Analysis by Laboratory	6 MONTH		7/14/2025	1/14/2026	76/108			0
5.42.1.3	MOB Davit Hydraulic Accumulator (I)	6-Month Inspection on Nitrogen Accumulator	YES	Performance Check	6 MONTH		6/28/2025	12/28/2025	47/136			0
5.5.2	Emergency Stops (I)	6-Week Test On Emergency Stop for Armthrust Thruster Port Alt Console	YES	Test	6 WEEK		10/9/2025	11/10/2025	11/31			0
5.5.2	Emergency Stops (I)	6-Week Test On Emergency Stop for Armthrust Thruster Port FWD Console	YES	Test	6 WEEK		10/13/2025	11/10/2025	15/27			0
5.5.2	Emergency Stops (I)	6-Week Test On Emergency Stop for Bow Thruster No. 1 SCR	YES	Test	6 WEEK		10/9/2025	11/20/2025	11/31			0
5.5.2	Emergency Stops (I)	6-Week Test On Emergency Stop for Armthrust Thruster Sbd SCR	YES	Test	6 WEEK		10/7/2025	11/18/2025	9/33			0
5.5.2	Emergency Stops (I)	6-Week Test On Emergency Stop for Bow Thruster No. 2 FWD Console	YES	Test	6 WEEK		10/9/2025	11/20/2025	11/31			0
5.5.2	Emergency Stops (I)	6-Week Test On Emergency Stop for Armthrust Thruster Center SCR	YES	Test	6 WEEK		10/7/2025	11/18/2025	9/33			0
5.5.2	Emergency Stops (I)	6-Week Test On Emergency Stop for Bow Thruster No. 1 Aft Console	YES	Test	6 WEEK		10/9/2025	11/20/2025	7/35			0
5.5.2	Emergency Stops (I)	6-Week Test On Emergency Stop for Armthrust Thruster Center FWD Console	YES	Test	6 WEEK		10/13/2025	11/24/2025	15/27			0
5.5.2	Emergency Stops (I)	6-Week Test On Emergency Stop for Bow Thruster No. 2 Aft Console	YES	Test	6 WEEK		10/18/2025	11/29/2025	20/22			0
5.5.2	Emergency Stops (I)	6-Week Test On Emergency Stop for Armthrust Thruster Center Aft Console	YES	Test	6 WEEK		10/7/2025	12/7/2025	28/14			0
5.5.2	Emergency Stops (I)	6-Week Test On Emergency Stop for Armthrust Thruster Sbd FWD Console	YES	Test	6 WEEK		10/9/2025	11/20/2025	11/31			0
5.5.2	Emergency Stops (I)	6-Week Test On Emergency Stop for Bow Thruster No. 2 SCR	YES	Test	6 WEEK		10/16/2025	11/27/2025	18/24			0
5.5.2	Emergency Stops (I)	6-Week Test On Emergency Stop for Armthrust Thruster Port Alt Console	YES	Test	6 WEEK		10/16/2025	11/27/2025	18/24			0
5.18	Manual Watertight Door (BT Room)	5-Years PMP Inspection & Packing Replacement On Watertight Doors	YES	Overhauling	60 MONTH		9/4/2025	9/4/2026	664/1162			0
5.19	Fire Alarm Central Panel (Bridge)	5-Years PMP Inspection & Packing Replacement On Watertight Doors	YES	Overhauling	60 MONTH		11/26/2019	11/26/2020	53/2175			0
5.21.1	Air Bottles (I)	60-Month Replacement of Battery on Fire Detecting & Alarm System	YES	Test	60 MONTH		8/7/2024	8/7/2029	1367/1559			0
5.21.5.1	Air Bottles (I)	60-Month Hydrostatic Test On BA Compressed Air Cylinder No. 14 S/N WIG 170 (FSS Store)	YES	Test	60 MONTH		5/31/2022	5/31/2027	568/1258			0
5.21.5.1	Air Bottles (I)	60-Month Hydrostatic Test On BA Compressed Air Cylinder No. 05 S/N WHI 089 (FFA Store)	YES	Test	60 MONTH		5/31/2022	5/31/2027	568/1258			0
5.21.5.1	Air Bottles (I)	60-Month Hydrostatic Test On BA Compressed Air Cylinder No. 04 S/N WHI 080 (Bridge)	YES	Test	60 MONTH		5/31/2022	5/31/2027	568/1258			0
5.21.5.1	Air Bottles (I)	60-Month Hydrostatic Test On BA Compressed Air Cylinder No. 13 S/N WHI 088 (FSS Store)	YES	Test	60 MONTH		5/31/2022	5/31/2027	568/1258			0
5.21.5.1	Air Bottles (I)	60-Month Hydrostatic Test On BA Compressed Air Cylinder No. 06 S/N WHI 087 (FSS Store)	YES	Test	60 MONTH		5/31/2022	5/31/2027	568/1258			0
5.21.5.1	Air Bottles (I)	60-Month Hydrostatic Test On BA Compressed Air Cylinder No. 15 S/N WIG 140 (FSS Store)	YES	Test	60 MONTH		5/31/2022	5/31/2027	568/1258			0
5.21.5.1	Air Bottles (I)	60-Month Hydrostatic Test On BA Compressed Air Cylinder No. 12 S/N WHI 083 (FFA Store)	YES	Test	60 MONTH		5/31/2022	5/31/2027	568/1258			0
5.21.5.1	Air Bottles (I)	60-Month Hydrostatic Test On BA Compressed Air Cylinder No. 16 S/N WHI 086 (FSS Store)	YES	Test	60 MONTH		5/31/2022	5/31/2027	568/1258			0
5.21.5.1	Air Bottles (I)	60-Month Hydrostatic Test On BA Compressed Air Cylinder No. 06 S/N WHI 089 (FFA Store)	YES	Test	60 MONTH		5/31/2022	5/31/2027	568/1258			0
5.21.5.1	Air Bottles (I)	60-Month Hydrostatic Test On BA Compressed Air Cylinder No. 01 S/N WHI 085 (Bridge)	YES	Test	60 MONTH		5/31/2022	5/31/2027	568/1258			0
5.21.5.1	Air Bottles (I)	60-Month Hydrostatic Test On BA Compressed Air Cylinder No. 08 S/N WHI 082 (FFA Store)	YES	Test	60 MONTH		5/31/2022	5/31/2027	568/1258			0
5.21.5.1	Air Bottles (I)	60-Month Hydrostatic Test On BA Compressed Air Cylinder No. 11 S/N WHI 085 (FSS Store)	YES	Test	60 MONTH		5/31/2022	5/31/2027	568/1258			0
5.21.5.1	Air Bottles (I)	60-Month Hydrostatic Test On BA Compressed Air Cylinder No. 11 S/N WHI 085 (FSS Store)	YES	Test	60 MONTH		5/31/2022	5/31/2027	568/1258			0
5.21.5.1	Air Bottles (I)	60-Month Hydrostatic Test On BA Compressed Air Cylinder No. 09 S/N WHI 084 (FFA Store)	YES	Test	60 MONTH		5/31/2022	5/31/2027	568/1258			0
5.21.5.1	Air Bottles (I)	60-Month Hydrostatic Test On BA Compressed Air Cylinder No. 02 S/N WIG 157 (Bridge)	YES	Test	60 MONTH		5/31/2022	5/31/2027	568/1258			0
5.21.5.1	Air Bottles (I)	60-Month Hydrostatic Test On BA Compressed Air Cylinder No. 07 S/N WHI 082 (FFA Store)	YES	Test	60 MONTH		5/31/2022	5/31/2027	568/1258			0
5.21.5.1	Pump S80-70-175N(D02 (Fire pump))	60-Month PMP Overhaul Of Pump	YES	Overhauling	60 MONTH		11/26/2019	11/26/2020	53/2175			0
5.22.1.1	EL Motor (Fire pump)	Magter Test - Electric Motor	YES	Magter/Insulation Test	60 MONTH		12/6/2024	12/6/2029	148/1338			0
5.22.1.1	EL Motor (Fire pump)	5-Year PMP Overhaul Of EL Motor	YES	Overhauling	60 MONTH		12/6/2019	12/6/2024	53/2166			0
5.22.1.1	Pump S80-70-175N(D02 (Emergency Fire pump))	5-Year PMP Overhaul Of EL Motor	YES	Overhauling	60 MONTH		12/6/2019	12/6/2024	53/2166			0
5.22.2.1	EL Motor (Emergency Fire pump)	5-Year PMP Overhaul Of EL Motor	YES	Overhauling	60 MONTH		11/26/2019	11/26/2020	53/2175			0
5.24	Fire Extinguishers (I)	Magter Test - Electric Motor	YES	Magter/Insulation Test	60 MONTH		12/6/2024	12/6/2029	148/1340			0
5.24	CO2 Fire Extinguishing System (I)	10 Years / 5 (French Flag) PMP Hydrostatic Test On Fixed CO2 Fire Extinguishing Systems	YES	Test	60 MONTH		7/13/2022	7/13/2027	629/1197			0
5.31.2.1.1	EL Motor (No.1 F-H)	Magter Test Of EL Motor	YES	Test	60 MONTH		5/8/2023	5/8/2028	911/916			0
5.31.2.2	Heat Exchanger (No.1 F-H)	5-Years PMP Cleaning of Heat Exchanger of DCM	YES	Cleaning	60 MONTH		4/1/2025	4/1/2030	1604/222			0
5.31.6	F-H Monitor (No.1 F-H)	Magter Test - F-H Monitor Control Cabinet, AC-FHS-15 MPRKCSX1.5	YES	Cleaning	60 MONTH		8/7/2023	8/7/2028	640/1186			0
5.31.6	F-H Monitor (No.1 F-H)	Magter Test - F-H Monitor Control Cabinet, AC-FHS-15 MPRKCSX1.5	YES	Magter/Insulation Test	60 MONTH		8/7/2023	8/7/2028	1002/825			0
5.31.6.2	Motor with gearbox (No.1 F-H)	Magter Test - EL motor	YES	Magter/Insulation Test	60 MONTH		8/7/2023	8/7/2028	1002/825			0
5.32.2.1.1	EL Motor (No.2 F-H)	Magter Test Of EL Motor	YES	Magter/Insulation Test	60 MONTH		4/1/2025	4/1/2030	1604/222			0
5.32.2.2	Heat Exchanger (No.2 F-H)	5-Years PMP Cleaning of Heat Exchanger of DCM	YES	Cleaning	60 MONTH		8/1/2022	8/1/2027	640/1186			0
5.32.6	F-H Monitor (No.2 F-H)	Magter Test - EL motor	YES	Magter/Insulation Test	60 MONTH		8/7/2023	8/7/2028	1002/825			0
5.32.6.1	EL Motor Q.14KW (No.2 F-H)	Magter Test - F-H Monitor Control Cabinet, AC-FHS-15 MPRKCSX1.5	YES	Magter/Insulation Test	60 MONTH		8/5/2023	8/5/2028	1002/827			0
5.32.6.2	Motor with gearbox (No.2 F-H)	5-Years PMP Inspection On Ocean-Fire Extinguishing System	YES	Magter/Insulation Test	60 MONTH		8/6/2023	8/6/2028	1001/826			0
5.35	Fixed External Foam Fire Extinguishing System (I)	5-Years PMP Inspection On Ocean-Fire Extinguishing System	YES	Inspection and Visual Check	60 MONTH		7/13/2022	7/13/2027	629/1197			0
5.35.1	EL Motor (Foam)	Magter Test - Foam Pump, AC-MCCE-M90-3	YES	Magter/Insulation Test	60 MONTH		12/19/2024	12/19/2029	1485/1941			0
5.35.1.1	Electric Motor (Foam)	60-Month Overhaul On Rescue Boat Release Hook	YES	Overhauling	60 MONTH		7/13/2022	7/13/2027	629/1197			0
5.41.2	Off Load Release Hook (I)	5-Years PMP Load Test on MOB Davit	YES	Test	60 MONTH		7/13/2022	7/13/2027	629/1197			0
5.42	MOB Davit (I)	60-Month Performance Check on Pump	YES	Performance Check	60 MONTH		12/5/2024	12/5/2029	1487/1339			0
5.42.1.2	MOB Davit Powerpack Pump (I)	Magter Test - Electric Motor	YES	Magter/Insulation Test	60 MONTH		6/6/2023	6/6/2028	940/887			0
5.42.1.3	MOB Davit Powerpack Pump, EL Motor (I)	60-Month Overhaul of EL Motor	YES	Overhauling	60 MONTH		12/5/2024	12/5/2029	1487/1339			0
5.42.1.3	MOB Davit Hydraulic Accumulator (I)	5-Year PMP Inspection On Ocean-Fire Extinguishing System	YES	Overhauling	60 MONTH		12/5/2024	12/5/2029	1487/1339			0
5.42.1.4	Davit Hydraulic Accumulator (I)	5-Year PMP Inspection On Ocean-Fire Extinguishing System	YES	Overhauling	60 MONTH		12/5/2024	12/5/2029	1487/1339			0
5.45.2.1	Embarcation Rope Ladders (I)	5-Years PMP Survey on Embarcation Rope Ladder	YES	Inspection and Visual Check	60 MONTH		5/8/2023	5/8/2028	911/916			0
5.7.1	EPRB Automatic (I)	60-Month Overhaul On EPRB	YES	Overhauling	60 MONTH		11/26/2019	11/26/2020	53/2175			0
5.7.10	Portable VHF (No.1)	60-Month Battery Replacement on Gmks VHF SR-102	YES	Inspection and Visual Check	60 MONTH		8/7/2023	8/7/2028	1023/804			0
5.7.11	Portable VHF (No.2)	60-Month Battery Replacement on Gmks VHF SR-102	YES	Inspection and Visual Check	60 MONTH		11/26/2019	11/26/2020	53/2175			0
5.7.12	Portable VHF (No.3)	60-Month Battery Replacement on Gmks VHF SR-102	YES	Inspection and Visual Check	60 MONTH		11/26/2019	11/26/2020	53/2175			0
5.7.2	EPRB (Manual)	60-Month Overhaul On EPRB	YES	Overhauling	60 MONTH		11/26/2019	11/26/2020	53/2175			0
5.7.3	Transponder (I)	60-Month Battery Replacement On Transponder	YES	Overhauling	60 MONTH		6/30/2028	6/30/2028	964/863			0
5.7.4	Radar Transponder (Sbd)	60-Month Battery Replacement On Transponder	YES	Overhauling	60 MONTH		6/30/2028	6/30/2028	964/863			0

Equipment Code	Equipment Name	Job Title	Active	Job Type	Primary Frequency	Secondary Frequency	Last Done Date	Next Due Date	Days Left	RHrs. From Last Overhaul	Present RHrs.	Hours Remains
2.2.1	Pump S425-122/12 D7H (Sewage Booster)	Condition Based Overhaul of Pump	YES	Overhauling	0 CBO							0
2.2.1.1	Electric Motor (Sewage Booster)	Condition Based Overhaul on EI. Motor	YES	Overhauling	0 CBO							0
2.2.2.1	Pump 4/HK50-1-120-F-W1 (Sewage discharge)	Condition Based Overhaul of Pump	YES	Overhauling	0 CBO							0
2.2.2.1.1	El. Motor (Sewage discharge)	Condition Based Overhaul on EI. Motor	YES	Overhauling	0 CBO							0
2.2.2.3	Pump ES-B15VC N - 3 (Metering Pump)	Condition Based Overhaul of Pump	YES	Overhauling	0 CBO							0
2.2.2	Sewage Treatment Plant ()	Monthly Inspection On Sewage Treatment Plant	YES	Inspection and Visual Check	0 CBO							0
2.2.2.5	Sewage Air Compressor ()	Monthly Cleaning Of Sewage Air Compressor	YES	Overhauling	1 MONTH		10/27/2025	11/27/2025	18/13			18/13
2.2	Sewage System ()	Weekly Descaling Of The Sewage System	YES	Overhauling	1 WEEK		11/3/2025	11/10/2025	1/6			1/6
2.2	Sewage Treatment Plant ()	Weekly Inspection Of Sewage System	NO	Inspection and Visual Check	1 WEEK		8/9/2014	10/27/2025	0/1110			0/1110
2.2.2	Sewage Treatment Plant ()	Weekly Routine On Sewage Treatment Plant	NO	Inspection and Visual Check	1 WEEK		3/18/2018	11/27/2025	0/2793			0/2793
2.2.2	Sewage Treatment Plant ()	Test Alarm - Sewage treatment - common alarm	NO	Alarms and Trip Tests	12 MONTH		11/4/2017	11/4/2017	0/2927			0/2927
2.2.2.1	Pump 4/HK50-1-120-F-W1 (Sewage discharge)	12 Monthly Routine On Sewage Treatment Plant	NO	Inspection and Visual Check	12 MONTH		11/4/2017	11/4/2017	0/2927			0/2927
2.2.2.3	Pump ES-B15VC N - 3 (Metering Pump)	12 Monthly Routine /8000 Running Hours	NO	Inspection and Visual Check	12 MONTH		5/22/2017	11/4/2017	0/3093			0/3093
2.2.2.1	Pump S425-122/12 D7H (Sewage Booster)	12 Monthly Routine On Electromagnetic Metering Pump	NO	Overhauling	12 MONTH		1/4/2018	11/27/2025	0/2856			0/2856
2.2.2.1	Pump 4/HK50-1-120-F-W1 (Sewage discharge)	2-Month - Performance Check on Pump	NO	Performance Check	2 MONTH		1/8/2018	11/27/2025	0/2862			0/2862
2.2.2.2	Macerating pump ()	2-Month - Performance Check on Pump	NO	Performance Check	2 MONTH		1/30/2018	11/27/2025	0/2840			0/2840
2.2.2.3	Pump ES-B15VC N - 3 (Metering Pump)	2-Month - Performance Check on Pump	NO	Performance Check	2 MONTH		2/1/2018	11/27/2025	0/2838			0/2838
2.2.2.1	Electric Motor (Sewage Booster)	2-Month - Performance Check on Pump	NO	Performance Check	2 MONTH		2/3/2018	11/27/2025	0/2836			0/2836
2.2.2.1	El. Motor (Sewage Air Compressor)	3-Month Inspection Of Sewage Booster Pump Motor	NO	Inspection and Visual Check	3 MONTH		8/1/2018	11/27/2025	0/2657			0/2657
2.2.2.5.1	Sewage Air Compressor ()	4-Month Inspection on Sewage Air Compressor	YES	Overhauling	30 MONTH		8/6/2023	2/6/2026	89/826			89/826
2.2.1	Pump S425-122/12 D7H (Sewage Booster)	60-Month Performance Check on Sewage Booster Pump	YES	Overhauling	4 MONTH		8/21/2025	12/21/2025	42/80			42/80
2.2.1.1	Electric Motor (Sewage Booster)	60-Month Performance Check on Sewage Booster Pump	YES	Overhauling	60 MONTH		12/4/2024	12/4/2029	1486/340			1486/340
2.2.1.1	Electric Motor (Sewage Booster)	60-Month Overhaul of Electric Motor	YES	Overhauling	60 MONTH		8/6/2023	3/7/2028	849/826			849/826
2.2.2	Sewage Treatment Plant ()	60-Month Overhaul of Sewage Treatment Plant	NO	Overhauling	60 MONTH		12/1/2014		0/3996			0/3996
2.2.2.1	El. Motor (Sewage discharge)	5-Years Inspection Of Sewage Treatment Plant	NO	Inspection and Visual Check	60 MONTH		12/6/2014	8/7/2029	1367/459			1367/459
2.2.2.1	El. Motor (Sewage discharge)	60-Month Performance Check on Pump	YES	Performance Check	60 MONTH		1/3/2025	1/3/2030	1536/310			1536/310
2.2.2.1	El. Motor (Sewage discharge)	60-Month Performance Check on Pump	YES	Performance Check	60 MONTH		8/6/2023	5/23/2027	560/826			560/826
2.2.2.1.1	El. Motor (Sewage discharge)	60-Month Overhaul of El. Motor	NO	Overhauling	60 MONTH		12/3/2014		0/3994			0/3994
2.2.2.2	Macerating pump ()	60-Month Performance Check on Macerating Pump	YES	Performance Check	60 MONTH		8/7/2023	6/22/2028	958/825			958/825
2.2.2.2	Macerating pump ()	60-Month Performance Check on Macerating Pump	YES	Performance Check	60 MONTH		8/2/2028	8/2/2028	997/830			997/830
2.2.2.3	Pump ES-B15VC N - 3 (Metering Pump)	60-Month Performance Check on Pump	YES	Performance Check	60 MONTH		11/26/2024	11/26/2029	1478/348			1478/348
2.2.2.5.1	El. Motor (Sewage Air Compressor)	60 Monthly / 30000 Hours routine on Motor	NO	Overhauling	60 MONTH		11/25/2014		0/4002			0/4002

Equipment Code	Equipment Name	Job Title	Active	Job Type	Primary Frequency	Secondary Frequency	Last Done Date	Next Due Date	Days Left	RHrs. From Last Overhaul	Present RHrs.	Hours Remains
7.5.1.2	Cooler (Starting Air Compressor No.1)	Condition Based Cleaning of Cooler	YES	Cleaning	0 CBO						12957	-12957
7.5.2.2	Cooler (Starting Air Compressor No.2)	Condition Based Cleaning of Cooler	YES	Cleaning	0 CBO						12607	-12607
7.5.1	Starting Air Compressor (No.1)	Monthly Inspection on air compressor	NO	Inspection and Visual Check	1 MONTH		2/5/2018		0/2834		12957	-12957
7.5.2	Starting Air Compressor (No.2)	Monthly Inspection on air compressor	NO	Inspection and Visual Check	1 MONTH		7/12/2025		0/2832		12607	-12607
7.5.1	Starting Air Compressor (No.1)	1000 RH - Oil Replacement on Air Compressor	YES	Oil Replacement	1000 HOURS		4/22/2025	9/12/2026 13651	237/131	306	12957	694
7.5.2	Starting Air Compressor (No.2)	1000 RH - Oil Replacement on Air Compressor	YES	Oil Replacement	1000 HOURS		8/7/2025	3/12/2026 12996	128/201	611	12607	389
7.5.1	Starting Air Compressor (No.1)	Test Alarm - Starting Air Compressor - Common Alarm	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	271/94		12957	-12957
7.5.2	Starting Air Compressor (No.2)	Test Alarm - Starting Air Compressor - Common Alarm	YES	Alarms and Trip Tests	12 MONTH		8/7/2025	8/7/2026	271/94		12607	-12607
7.5.1	Starting Air Compressor (No.1)	2000 RH - Valves Replacement on Air Compressor	YES	Overhauling	2000 HOURS		5/5/2025	4/4/2159 61680	487/33475	-46723	12957	48723
7.5.2	Starting Air Compressor (No.2)	2000 RH - Valves Replacement on Air Compressor	YES	Overhauling	2000 HOURS		4/22/2025	2/9/2027 13996	457/201	611	12957	1389
7.5.7	Air Regulating Valve (Ship Service)	12-Month Overhauling of Pressure Reducing Valve	YES	Inspection and Visual Check	3 MONTH		9/25/2025	12/25/2025	46/45		12607	0
7.5.8	Air Regulating Valve (Blowdown Seachest)	12-Month Overhauling of Pressure Reducing Valve	YES	Inspection and Visual Check	3 MONTH		9/25/2025	12/25/2025	46/45		12957	0
7.5.9	Starting Air Compressor (No.1)	3000 Hours Routine On Main Air Compressor	NO	Inspection and Visual Check	3000 HOURS		4/5/2016		0/3505	7024	12957	-12957
7.5.1	Starting Air Compressor (No.2)	3000 Hours Routine On Main Air Compressor	NO	Inspection and Visual Check	3000 HOURS		6/2/2016		0/3447	6586	12607	-12607
7.5.2	Starting Air Compressor (No.1)	4000 RH - Overhaul on Air Compressor	YES	Overhauling	4000 HOURS		5/3/2024	10/9/2027 15187	699/555	1770	12957	2230
7.5.2	Starting Air Compressor (No.2)	4000 RH - Overhaul on Air Compressor	YES	Overhauling	4000 HOURS		3/3/2025	7/28/2028 15800	992/251	807	12607	3193
7.5.1	Starting Air Compressor (No.1)	5-Years PMP Calibration of Safety Valves	YES	Calibration	60 MONTH		8/16/2024	8/16/2029	1376/450		12957	-12957
7.5.1.1	El. Motor (Starting Air Compressor No.1)	Megger Test of El. Motor	YES	Megger/Insulation Test	60 MONTH		8/6/2023	8/6/2028	100/826		12957	-12957
7.5.1.1	El. Motor (Starting Air Compressor No.1)	60-Month Overhaul On El. Motor	YES	Overhauling	60 MONTH		12/5/2024	12/5/2029	1487/339		12957	-12957
7.5.2	Starting Air Compressor (No.2)	5-Years PMP Calibration of Safety Valves	YES	Calibration	60 MONTH		8/16/2024	8/16/2029	1376/450		12607	-12607
7.5.2.1	El. Motor (Starting Air Compressor No.2)	Megger Test of El. Motor	YES	Megger/Insulation Test	60 MONTH		8/6/2023	8/6/2028	100/826		12607	-12607
7.5.2.1	El. Motor (Starting Air Compressor No.2)	60-Month Overhaul On El. Motor	YES	Overhauling	60 MONTH		11/26/2024	11/26/2029	1478/348		12607	-12607
7.5.3	Starting Air Receiver (No.1)	5-Years PMP Inspection on Air Receiver	YES	Inspection and Visual Check	60 MONTH		11/26/2019	1/1/2026	53/2175		12607	0
7.5.3.1	Safety Angle Valve (Starting Air Receiver No.1)	5-Years PMP Calibration on Safety Valve	YES	Calibration	60 MONTH		10/16/2019	12/31/2025	52/2216		12957	0
7.5.4	Starting Air Receiver (No.2)	5-Years PMP Inspection on Air Receiver	YES	Inspection and Visual Check	60 MONTH		11/26/2019	1/1/2026	53/2175		12607	0
7.5.4.1	Safety Angle Valve (Starting Air Receiver No.2)	5-Years PMP Calibration on Safety Valve	YES	Calibration	60 MONTH		9/13/2025	9/13/2030	1769/57		12957	0
7.5.5	Starting Air Receiver (No.3)	5-Years PMP Inspection on Air Receiver	YES	Inspection and Visual Check	60 MONTH		11/26/2019	1/1/2026	53/2175		12607	0
7.5.5.1	Safety Angle Valve (Starting Air Receiver No.3)	5-Years PMP Calibration on Safety Valve	YES	Calibration	60 MONTH		10/16/2019	1/1/2026	53/2216		12957	0
7.5.6	Whistle Air Receiver (I)	5-Years PMP Inspection on Air Receiver	YES	Inspection and Visual Check	60 MONTH		11/26/2019	1/1/2026	53/2175		12607	0
7.5.6.1	Safety Angle Valve (Whistle Air Receiver)	5-Years PMP Calibration on Safety Valve	YES	Calibration	60 MONTH		8/5/2023	8/5/2028	1000/827		12957	0
7.5.1	Starting Air Compressor (No.1)	8000 Hours Routine On Main Air Compressor	NO	Overhauling	8000 HOURS		11/17/2017		0/2914	4995	12957	-12957
7.5.2	Starting Air Compressor (No.2)	8000 Hours Routine On Main Air Compressor	NO	Overhauling	8000 HOURS		12/1/2017		0/2900	4573	12607	-12607

Equipment Code	Equipment Name	Job Title	Active	Job Type	Primary Frequency	Secondary Frequency	Last Done Date	Next Due Date	Days Left	Bkrs. From Last Overhaul	Present Bkrs.	Hours Remains
91.1	Pump NSL100-415/002 (Bilge & Ballast)	Condition Based Replacement of Pump	YES	Overhauling	0 CBO							
92	BHS System ()	Condition Based Replacement of Axial Restraint Pipe Coupling	YES	Cleaning	0 CBO							
93.1	Pump NSL100-415/A02	Condition Based Overhaul of Pump	YES	Overhauling	0 CBO							
93.1.1	El. Motor (Cargo Fuel Oil Transfer)	Condition Based Overhaul on El. Motor	YES	Overhauling	0 CBO							
94.1	Pump NSL100-415/A02	Condition Based Overhaul of Pump	YES	Overhauling	0 CBO							
94.1.1	El. Motor (Cargo Fuel Oil Transfer)	Condition Based Overhaul on El. Motor	YES	Overhauling	0 CBO							
95.3	Pump PG56sk44 (Liquid Mud Cargo No.1)	Condition Based Overhaul of Pump	YES	Overhauling	0 CBO							
95.3.1	El. Motor (Liquid Mud Cargo Pump No.1)	Condition Based Overhaul on El. Motor	YES	Overhauling	0 CBO							
95.4	Pump PG56sk44 (Liquid Mud Cargo No.2)	Condition Based Overhaul of Pump	YES	Overhauling	0 CBO							
95.4.1	El. Motor (Liquid Mud Cargo Pump No.2)	Condition Based Overhaul on El. Motor	YES	Overhauling	0 CBO							
96.1	Pump PG-Seepex BN-10-12 (Mud Tank Cleaning)	Condition Based Overhaul on El. Motor	YES	Overhauling	0 CBO							
96.1.1	El. Motor (Mud Tank Cleaning)	Condition Based Overhaul on El. Motor	YES	Overhauling	0 CBO							
96.3	Suction Filter ()	Condition Based Replacement of Pump Inlet Filter	YES	Overhauling	0 CBO							
92	BHS System ()	Monthly Test On BHS System	YES	Test	1 MONTH		11/9/2025	12/9/2025	30/0			
97	Cargo Deck Connections ()	Monthly Inspection Of Deck Connections	YES	Inspection and Visual Check	1 MONTH		10/27/2025	11/27/2025	18/13			
98	Remote Controlled Valves Cabinet ()	Monthly Inspection for Remote Controlled Valves Control Cabinets	YES	Inspection and Visual Check	1 MONTH		11/9/2025	12/9/2025	30/0			
91.1.1	El. Motor (Bilge & Ballast)	12-Month Lubrication for Pump Electric Motor	YES	Lubrication/Greasing	12 MONTH		11/9/2025	12/9/2025	30/0			
92.5	Compressor Dry Bulk	12-Month Inspection & Oil Change on Dry Bulk Compressor	YES	Inspection and Visual Check	12 MONTH		7/8/2026	8/7/2026	27/194		4472	-4472
94.2	Pump PG56sk44 (Liquid Mud Cargo No.1)	Condition Based Overhaul of Pump	YES	Overhauling	0 CBO		7/8/2026	8/7/2026	27/194		4472	-4472
95	Liquid Mud System ()	Test Alarm - Mid System - Common Alarm	YES	Alarms and Trip Tests	12 MONTH		8/7/2026	8/7/2026	27/194			
95.1.1	Agitator (1 P)	Test Alarm - Agitator Motor Overload Alarm	YES	Alarms and Trip Tests	12 MONTH		5/7/2026	5/7/2026	179/186		362	-362
95.1.2	Agitator (2 P)	Test Alarm - Agitator Motor Overload Alarm	YES	Alarms and Trip Tests	12 MONTH		5/7/2026	5/7/2026	179/186		1	-1
95.1.3	Agitator (3 P)	Test Alarm - Agitator Motor Overload Alarm	YES	Alarms and Trip Tests	12 MONTH		5/7/2026	5/7/2026	179/186		1	-1
95.1.4	Agitator (4 P)	Test Alarm - Agitator Motor Overload Alarm	YES	Alarms and Trip Tests	12 MONTH		5/7/2026	5/7/2026	179/186		3315	-3315
95.1.5	Agitator (1 S)	Test Alarm - Agitator Motor Overload Alarm	YES	Alarms and Trip Tests	12 MONTH		5/7/2026	5/7/2026	179/186		194	-194
95.1.6	Agitator (2 S)	Test Alarm - Agitator Motor Overload Alarm	YES	Alarms and Trip Tests	12 MONTH		5/7/2026	5/7/2026	179/186		4	-4
95.1.7	Agitator (3 S)	Test Alarm - Agitator Motor Overload Alarm	YES	Alarms and Trip Tests	12 MONTH		5/7/2026	5/7/2026	179/186		3	-3
95.1.8	Agitator (4 S)	Test Alarm - Agitator Motor Overload Alarm	YES	Alarms and Trip Tests	12 MONTH		5/7/2026	5/7/2026	179/186		3352	-3352
95.2	Remote Controlled Valves (Liquid Mud System)	Test Alarm - Bulk Mud Valves - 120V AC Power Failure	YES	Alarms and Trip Tests	12 MONTH		8/7/2026	8/7/2026	27/194			
95.2.1	Pump PG-Seepex BN-10-12 (Mud Tank Cleaning)	12-Month Inspection of Pump Safety Valve	YES	Inspection and Visual Check	12 MONTH		8/5/2026	8/5/2026	289/96			
96.1	Compressor Dry Bulk	12-Month Inspection of Pump Safety Valve	YES	Inspection and Visual Check	12 MONTH		8/5/2026	8/5/2026	289/96			
96.1.1	El. Motor (Cargo Fuel Oil Transfer)	12-Month Inspection of Pump Safety Valve	YES	Inspection and Visual Check	12 MONTH		8/5/2026	8/5/2026	289/96			
91.1.2	El. Motor (Bilge & Ballast)	2-Month Cleaning On Suction Filter	YES	Cleaning	2 MONTH		10/16/2025	12/16/2025	47/14			
93.2	Flowmeter ()	2-Month Cleaning On Cargo FO Flowmeter Strainer	YES	Cleaning	2 MONTH		10/16/2025	12/16/2025	47/14			
95.5	Strainer (Liquid Mud System SW Suction)	2-Month Cleaning On Suction Filter	YES	Cleaning	2 MONTH		10/16/2025	12/16/2025	33/28			
96.3	Suction Filter ()	2-Month Cleaning On Suction Filter	YES	Cleaning	2 MONTH		10/16/2025	12/16/2025	33/28			
97	Cargo Deck Connections ()	2-Month Update of Cargo Deck Connections Inventory	YES	Inspection and Visual Check	2 MONTH		9/21/2025	11/21/2025	12/49			
97.7	Cargo Deck Connections ()	24-Month Re-Certification on Fuel Transfer Hose	YES	Test	24 MONTH		10/26/2025	12/26/2025	47/14			
92.30	Remote Controlled Valves ()	3-Month Inspection On Remote Controlled Valve(s)	YES	Inspection and Visual Check	3 MONTH		7/18/2027	7/18/2027	601/129			
92.10.1	Remote Controlled Butterfly Valve DN150 (Discharge, remote controlled)	3-Month Inspection On Remote Controlled Valve(s)	YES	Inspection and Visual Check	3 MONTH		9/1/2025	12/1/2025	22/69			
92.10.2	Remote Controlled Butterfly Valve DN150 (Vent, remote controlled)	3-Month Inspection On Remote Controlled Valve(s)	YES	Inspection and Visual Check	3 MONTH		9/1/2025	12/1/2025	40/51			
92.10.3	Remote Controlled Butterfly Valve DN150 (FH, remote controlled)	3-Month Inspection On Remote Controlled Valve(s)	YES	Inspection and Visual Check	3 MONTH		9/26/2025	12/26/2025	47/44			
92.10.4	Remote Controlled Butterfly Valve DN150 (FH, remote controlled)	3-Month Inspection On Remote Controlled Valve(s)	YES	Inspection and Visual Check	3 MONTH		9/27/2025	12/27/2025	48/43			
92.10.5	Remote Controlled Butterfly Valve DN150 (Air supply, remote controlled)	3-Month Inspection On Remote Controlled Valve(s)	YES	Inspection and Visual Check	3 MONTH		9/27/2025	12/27/2025	48/43			
92.2	Remote Controlled Valves (Liquid Mud System)	3-Month Inspection On Remote Controlled Valve(s)	YES	Inspection and Visual Check	3 MONTH		9/27/2025	12/27/2025	48/43			
98	Remote Controlled Valves Cabinet ()	3-Month Inspection On Remote Controlled Valve(s)	YES	Inspection and Visual Check	3 MONTH		10/30/2025	11/30/2026	82/10			
92.1	Cement Tanks (No.1)	30-Month Inspection On Cement / Barite Tank	YES	Inspection and Visual Check	30 MONTH		9/27/2025	8/7/2027	638/275			
92.2	Cement Tanks (No.2)	30-Month Inspection On Cement / Barite Tank	YES	Inspection and Visual Check	30 MONTH		2/7/2025	8/7/2027	638/275			
92.3	Cement Tanks (No.3)	30-Month Inspection On Cement / Barite Tank	YES	Inspection and Visual Check	30 MONTH		2/7/2025	8/7/2027	638/275			
92.4	Cement Tanks (No.4)	30-Month Inspection On Cement / Barite Tank	YES	Inspection and Visual Check	30 MONTH		2/4/2025	8/4/2027	638/275			
94.1.2	Filter (Cargo FW Transfer)	6-Month Cleaning On Freshwater Cargo Filter	YES	Cleaning	6 MONTH		7/27/2025	12/7/2026	79/105			
99	Cargo Wooddeck ()	60-Month Inspection on Cargo Wooddeck	YES	Inspection and Visual Check	60 MONTH		8/5/2025	2/5/2026	88/96			
91.1	Pump NSL100-415/002 (Bilge & Ballast)	60-Month Performance Check on Pump	YES	Overhauling	60 MONTH		12/26/2024	12/26/2029	1508/318			
91.1.1	El. Motor (Bilge & Ballast)	60-Month Overhaul of El. Motor	YES	Overhauling	60 MONTH		12/26/2024	12/26/2029	1488/338			
91.1.1.1	El. Motor (Bilge & Ballast)	60-Month Overhaul of El. Motor	YES	Overhauling	60 MONTH		11/26/2024	11/26/2029	1478/348			
91.1.1.2	El. Motor (Bilge & Ballast)	60-Month Overhaul of El. Motor	YES	Overhauling	60 MONTH		11/26/2024	11/26/2029	1478/348			
92.1	Safety Relief Valve (No.1)	5-Years PMP Overhaul of Safety Valve	YES	Overhauling	60 MONTH		8/5/2023	8/5/2028	1000/827			
92.3.1	Safety Relief Valve (No.3)	5-Years PMP Overhaul of Safety Valve	YES	Overhauling	60 MONTH		8/5/2023	8/5/2028	999/828			
92.4.1	Safety Relief Valve (No.4)	5-Years PMP Overhaul of Safety Valve	YES	Overhauling	60 MONTH		8/5/2023	8/5/2028	1000/827			
92.5.1	El. Motor (Air Compressor Dry Bulk)	Magger Test - Dry Bulk Compressor El. Motor	YES	Magger/Insulation Test	60 MONTH		8/5/2023	8/5/2028	1000/827			
92.5.3.1	Safety Valve (Air Compressor Dry Bulk)	5-Years PMP Overhaul of Safety Valve	YES	Overhauling	60 MONTH		8/11/2022	8/11/2027	4472		4472	-4472
93.1	Pump NSL100-415/A02	60-Month Performance Check on Pump	YES	Overhauling	60 MONTH		8/5/2023	8/5/2028	1000/827			
93.1.1	El. Motor (Cargo Fuel Oil Transfer)	Magger Test - Electro Motor	YES	Magger/Insulation Test	60 MONTH		1/6/2025	1/6/2026	1519/307			
93.2	Flowmeter ()	5-Years PMP Calibration of FO Flowmeter	YES	Calibration	60 MONTH		8/7/2023	8/7/2028	1002/825			
94.1	El. Motor (Cargo FW Transfer)	60-Month Performance Check on Pump	YES	Overhauling	60 MONTH		8/5/2023	8/5/2028	1000/827			
94.2	PW Flowmeter (Cargo FW)	Magger Test - Electric Motor	YES	Magger/Insulation Test	60 MONTH		8/6/2023	8/6/2028	1001/826			
95.1.1	Agitator (1 S)	5-Years PMP Flowmeter Calibration	YES	Calibration	60 MONTH		7/7/2025	7/7/2030	1701/125			
95.1.2	Agitator (2 S)	5-Years PMP Flowmeter Calibration	YES	Calibration	60 MONTH		8/6/2023	8/6/2028	1000/827			
95.1.3	Agitator (3 S)	5-Years PMP Flowmeter Calibration	YES	Calibration	60 MONTH		11/6/2024	11/6/2029	1488/338			
95.1.4	Agitator (4 S)	5-Years PMP Flowmeter Calibration	YES	Calibration	60 MONTH		11/6/2024	11/6/2029	1488/338			
95.1.5	Agitator (1 P)	5-Years PMP Inspection Of Mud Agitators	YES	Inspection and Visual Check	60 MONTH		8/4/2023	8/4/2028	999/828			
95.1.6	Agitator (2 P)	5-Years PMP Inspection Of Mud Agitators	YES	Inspection and Visual Check	60 MONTH		8/4/2023	8/4/2028	999/828			
95.1.7	Agitator (3 P)	Magger Test of El. Motor	YES	Magger/Insulation Test	60 MONTH		12/6/2024	12/6/2029	1488/338			
95.1.8	Agitator (4 P)	Magger Test of El. Motor	YES	Magger/Insulation Test	60 MONTH		12/6/2024	12/6/2029	1488/338			
95.1.9	Agitator (1 S)	5-Years PMP Inspection Of Mud Agitators	YES	Inspection and Visual Check	60 MONTH		12/6/2024	12/6/2029	1488/338			
95.1.10	Agitator (2 S)	5-Years PMP Inspection Of Mud Agitators	YES	Inspection and Visual Check	60 MONTH		12/6/2024	12/6/2029	1488/338			
95.1.11	Agitator (3 S)	5-Years PMP Inspection Of Mud Agitators	YES	Inspection and Visual Check	60 MONTH		8/4/2023	8/4/2028	999/828			
95.1.12	Agitator (4 S)	5-Years PMP Inspection Of Mud Agitators	YES	Inspection and Visual Check	60 MONTH		8/4/2023	8/4/2028	999/828			
95.1.13	Agitator (1 P)	Magger Test of El. Motor	YES	Magger/Insulation Test	60 MONTH		12/6/2024	12/6/2029	1488/338			
95.1.14	Agitator (2 P)	Magger Test of El. Motor	YES	Magger/Insulation Test	60 MONTH		12/6/2024	12/6/2029	1488/338			
95.1.15	Agitator (3 P)	5-Years PMP Inspection Of Mud Agitators	YES	Inspection and Visual Check	60 MONTH		8/4/2023	8/4/2028	999/828			
95.1.16	Agitator (4 P)	5-Years PMP Inspection Of Mud Agitators	YES	Inspection and Visual Check	60 MONTH		8/4/2023	8/4/2028	999/828			
95.1.17	Agitator (1 S)	Magger Test of El. Motor	YES	Magger/Insulation Test	60 MONTH		12/6/2024	12/6/2029	1488/338			
95.1.18	Agitator (2 S)	Magger Test of El. Motor	YES	Magger/Insulation Test	60 MONTH		12/6/2024	12/6/2029	1488/338			
95.1.19	Agitator (3 S)	5-Years PMP Inspection Of Mud Agitators	YES	Inspection and Visual Check	60 MONTH		8/4/2023	8/4/2028	999/828			
95.1.20	Agitator (4 S)	5-Years PMP Inspection Of Mud Agitators	YES	Inspection and Visual Check	60 MONTH		8/4/2023	8/4/2028	999/828			
95.1.21	Agitator (1 P)	Magger Test of El. Motor	YES	Magger/Insulation Test	60 MONTH		12/6/2024	12/6/2029	1488/338			
95.1.22	Agitator (2 P)	Magger Test of El. Motor	YES	Magger/Insulation Test	60 MONTH		12/6/2024	12/6/2029	1488/338			
95.1.23	Agitator (3 P)	5-Years PMP Inspection Of Mud Agitators	YES	Inspection and Visual Check	60 MONTH		8/4/2023	8/4/2028	999/828			
95.1.24	Agitator (4 P)	5-Years PMP Inspection Of Mud Agitators	YES	Inspection and Visual Check	60 MONTH		8/4/2023	8/4/2028	999/828			
95.1.25	Agitator (1 S)	Magger Test of El. Motor	YES	Magger/Insulation Test	60 MONTH		12/6/2024	12/6/2029	1488/338			
95.1.26	Agitator (2 S)	Magger Test of El. Motor	YES	Magger/Insulation Test	60 MONTH		12/6/2024	12/6/2029	1488/338			
95.1.27	Agitator (3 S)	5-Years PMP Inspection Of Mud Agitators	YES	Inspection and Visual Check	60 MONTH		8/4/2023	8/4/2028	999/828			
95.1.28	Agitator (4 S)	5-Years PMP Inspection Of Mud Agitators	YES	Inspection and Visual Check	60 MONTH		8/4/2023	8/4/2028	999/828			
95.1.29	Agitator (1 P)	Magger Test of El. Motor	YES	Magger/Insulation Test	60 MONTH		12/6/2024	12/6/2029	1488/338			
95.1.30	Agitator (2 P)	Magger Test of El. Motor	YES	Magger/Insulation Test	60 MONTH		12/6/2024	12/6/2029	1488/338			
95.1.31	Agitator (3 P)	5-Years PMP Inspection Of Mud Agitators	YES	Inspection and Visual Check	60 MONTH		8/4/2023	8/4/2028	999/828			
95.1.32	Agitator (4 P)	5-Years PMP Inspection Of Mud Agitators	YES	Inspection and Visual Check	60 MONTH		8/4/2023	8/4/2028	999/828			
95.1.33	Agitator (1 S)	Magger Test of El. Motor	YES	Magger/Insulation Test	60 MONTH		12/6/2024	12/6/2029	1488/338			
95.1.34	Agitator (2 S)	Magger Test of El. Motor	YES	Magger/Insulation Test	60 MONTH		12/6/2024	12/6/2029	1488/338			
95.1.35	Agitator (3 S)	5-Years PMP Inspection Of Mud Agitators	YES	Inspection and Visual Check	60 MONTH		8/4/2023	8/4/2028	999/828			
95.1.36	Agitator (4 S)	5-Years PMP Inspection Of Mud Agitators	YES	Inspection and Visual Check	60 MONTH		8/4/2023	8/4/2028	999/828			
95.1.37	Agitator (1 P)	Magger Test of El. Motor	YES	Magger/Insulation Test	60 MONTH		12/6/2024	12/6/2029	1488/338			
95.1.38	Agitator (2 P)	Magger Test of El. Motor	YES	Magger/Insulation Test	60 MONTH		12/6/2024	12/6/2029	1488/338			</

Maintenance Analysis Report

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Dec-2024

Nov-2025

31

show

Clear

Update

Activity	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
● Vessel with > or = (0)% of the jobs pending on the selected month(s).												
DUE THIS MONTH	225	477	486	578	518	534	607	642	989	520	534	112
COMPLETED THIS MONTH	210	464	471	561	518	532	607	639	983	520	534	111
PERCENTAGE OUTSTANDING	7%	3%	3%	3%	0%	0%	0%	0%	1%	0%	0%	1%
OVERDUE CURRENT MONTH	19	13	15	17	0	2	0	3	6	0	0	1
OVERDUE COMPLETED	15	13	15	17	0	2	0	3	6	0	0	0
OVERDUE NOT COMPLETED	0	0	0	0	0	0	0	0	0	0	0	1
ADDITIONAL JOBS	4	10	11	9	2	3	0	2	1	3	0	0
OUTSIDE PMS JOBS	0	2	1	1	9	0	0	0	1	1	6	0
Overdue Job This Month Criticality-NORMAL	14	13	15	17	0	2	0	3	4	0	0	0
Overdue Job This Month Criticality-CRITICAL	1	0	0	0	0	0	0	0	2	0	0	1
Overdue This Month Function Criticality-NORMAL	11	13	15	17	0	2	0	3	4	0	0	0
Overdue This Month Function Criticality-CRITICAL	4	0	0	0	0	0	0	0	2	0	0	1

OIL RECORD BOOK (Part 1)
Machinery Space Operations
(ALL SHIPS)

Name of Ship BOURBON TONGKAM
Distinctive Number or Letters 9V0876
Gross Tonnage 1733
Period from 10 MAR 2025 to

OIL RECORD BOOK (PART 1) - Machinery Space Operations

Note : Shall be provided to every oil tanker of 150 tons gross and above and every ship of 400 tons gross tonnage and above, other than oil tankers, to record machinery space operations. (For oil tankers, Oil Record Book (Part 2) shall also be provided to record relevant Cargo / Ballast operations.)

Revised to include amendments in force 1st January 2011.

SHIP FORM NO. 18
NAUTICAL STATIONERY ISSA CODE 49 250 32

Name of Ship : BOURBON TONGKAM
Distinctive number or letters : 9V0876

Machinery Space Operations (ALL SHIPS)			
Date	Code (letter)	Item (number)	Record of operations / signature of officer in charge
23 OCT 2024	H	26.1	ERAWAN FIELD GOLF OF THAILAND
		26.2	START 10.48 HRS STOP 11.36 HRS
		26.3	22.55 MT (27 M ³) HD5, 80, 36 0.8354 SULFUR CONTENT 74 mg/kg TRANSFER TO TM814
			DEBUNKER, 22.55 MT (27 M ³) FROM FO TANK NO 2(3)
			CONTAINING IN TANK 43.33 MT (51.89 M ³)
24 OCT 2025	C	11.1	DIRTY OIL TANK
		11.2	CAPACITY OF TANK 5.44 M ³
		11.3	RETAINED IN TANK 0.86 M ³
		11.4	0.30 M ³ COLLECTION TRANSFER DIRTY LUBE OIL FROM DECK TO DIRTY OIL TANK
26 OCT 2025	C	11.1	SLUDGE TANK
		11.2	CAPACITY OF TANK 1.56 M ³
		11.3	RETAINED IN TANK 0.56 M ³
26 OCT 2025	I		WEEKLY INVENTORY OF OILY WATER TANK
			CAPACITY OF TANK 5.17 M ³
			RETAINED IN TANK 0.40 M ³
28 OCT 2025	H	26.1	PTT OR SETTY SONGKHALA THAILAND
		26.2	START 10.23 HRS STOP 16.24 HRS
		26.3	20.9 MT (25.0 M ³) HD5, 85, 36 0.8354 SULFUR CONTENT

Name of Ship : BOURBON TONGKAM

Distinctive number or letters : 9V 2876

Machinery Space Operations (ALL SHIPS)

Date	Code (letter)	Item (number)	Record of operations / signature of officer in charge
			7.4 m ³ /kg, BUNKER
			50.12 MT (60 m ³) ADDED TO FO TANK NO 1 (P)
			CONTAINING IN TANK 56.74 MT (63.92 m ³)
			50.12 MT (60 m ³) ADDED TO FO TANK NO 1 (S)
			CONTAINING IN TANK 58.0 MT (62.63 m ³)
			58.07 MT (70 m ³) ADDED TO FO TANK NO 2 (P)
			CONTAINING IN TANK 67.95 MT (80.95 m ³)
			50.12 MT (60 m ³) ADDED TO FO TANK NO 2 (S)
			CONTAINING IN TANK 67.83 MT (81.20 m ³)
02 OCT 2025	H	26.1	ERAWAN FIELD GOLF OF THAILAND START 12.36 HRS STOP 15.36 HRS 27.56 MT (33 m ³) HSD, 8.5, 36 083.54 SUEFUR CONTENT 7.4 m ³ /kg TRANSFER TO MV SC GLORY 6 DE, BUNKER
			27.56 M.T (33 m ³) FROM FO TANK NO 1 (P)
			CONTAINING IN TANK 26.66 MT (31.92 m ³)
02 OCT 2025	C	11.1	DIRTY OIL TANK
		11.2	CAPACITY OF TANK 5.44 m ³
		11.3	RETAINED IN TANK 0.86 m ³
02 OCT 2025	C	11.1	SLUDGE TANK 1
		11.2	CAPACITY OF TANK 1.56 m ³

Signature of Master

(38)

Name of Ship : BOURBON TONGKAM

Distinctive number or letters : 9V 2876

Machinery Space Operations (ALL SHIPS)

Date	Code (letter)	Item (number)	Record of operations / signature of officer in charge
		11.3	RETAINED IN TANK 0.56 m ³
02 OCT 2025	I		WEEKLY INVENTORY OF OILY WATER TANK CAPACITY OF TANK 5.19 m ³
			RETAINED IN TANK 0.40 m ³
02 OCT 2025	I		FUNCTION TEST LEPPM OWS ALARM AND OPERATION OF PNEUMATIC VALVE FOUND GOOD WORK SATISFACTORY

Signature of Master

(39)

RECORD OF GARBAGE DISCHARGES

PART I

**For all garbage other than cargo residues as defined in regulation 1.2 (Definitions)
(All ships)**

IMO No.	9394583
Distinctive Number or Letters	305553
Ship's Name	BOUREON TONG KAM

Garbage categories:

A - Plastics	B - Food Waste	C - Domestic Wastes	D - Cooking Oil
E - Incinerator ashes	F - Operational wastes	G - Animal Carcasses	H - Fishing gear
I - E-waste			

Discharges under MARPOL Annex V:

Discharges under normal conditions.

Regulation 4 – Discharge of garbage outside special areas;

Regulation 5 – Special requirements for discharges of gas

Regulation 3—Special requirements for discharges of garbage in an area of noxious phenomena.

Regulation 6 – Discharge of garbage within special areas;

[illegible]

Exceptional discharge or loss of garbage under regulation 7 (Exceptions)

Date/Time	Port or position of the ship (latitude/longitude and water depth if known)	Category	Estimated amount lost or discharged (m ³)	Remarks on the reason for the discharge or loss and general remarks (e.g. responsible procedures taken to prevent or minimize such discharge or accidental loss and general remarks)	Certification/signature

Kester's signature:

Sheriff's Office

MASTER
Baurbon Tong Kam
JALAG: SINGAPORE
TEL NO: 0394583
V8276
CT: 519



THE WASTE DELIVERY RECEIPT

Reception facility provider Logo

- This form should provide to the master of a ship that has just delivered wastes/residues.
- This form shall be retained on board the ship along with the appropriate Oil Record Book, Cargo Record Book or Garbage Record Book.

1. RECEPTION FACILITY AND PORT PARTICULARS

1.1 Location/Terminal name: SONGKHLA SUPPLY BASE
1.2 Reception facility provider(s) - If different from above: -
1.3 Treatment facility provider(s) - If different from above: -
1.4 waste/residue Discharge Date and Time from: 05-Nov-2025 / 07:00 Hrs.

2. SHIP PARTICULARS

2.1 Name of ship: BOURBON TONGKAM	2.5 owner or operator: BOURBON OFFSHORE ASIA
2.2 IMO number: 9394583	2.6 Distinctive number or letters: 9V8276
2.3 gross tonnage: 1733 T	2.7 Flag state: SINGAPORE
2.4 Type or ship: <input type="checkbox"/> oil tanker <input type="checkbox"/> chemical tanker <input type="checkbox"/> bulk carrier <input type="checkbox"/> container <input type="checkbox"/> other cargo ship <input type="checkbox"/> Passenger ship <input type="checkbox"/> Ro-ro <input type="checkbox"/> other (specify) AHTS	

3. TYPE AND AMOUNT OF WASTES/RESIDUES RECEIVED

MARPOL Annex I - Oil	Quantity (m ³)	MARPOL Annex V - Garbage	Quantity (m ³)
oily bilge water	/	A. Plastics	0.10
oily residues (sludge)	/	b. Food wastes	-
oily tank washings	N/A	c. Domestic wastes	0.20
Dirty ballast water	/	D. cooking oil	-
scale and sludge from tank cleaning	/	E. incinerator ashes	-
other (please specify)	/	F. operational wastes	-
MARPOL Annex II - NLS	Quantity (m ³) / Name	g. Animal carcasses	-
category x substance	/	H. Fishing gear	-
category Y substance	N/A	i. E-waste	-
category z substance	/	j. cargo residues (non-HME) ²	-
OS - other substances	/	k. cargo residues (HME) ²	-
MARPOL Annex IV - sewage	Quantity (m ³)	MARPOL Annex VI - Air pollution	Quantity (m ³)
		ozone-depleting substances and equipment containing such substances	N/A
		Exhaust gas-cleaning residues	

On behalf of the port facility I confirm that the above wastes/residues were delivered.

Signature

FLI Niread Company Smp



- Note: 1 indicate the proper shipping name or the NLS involved.
2 indicate the proper shipping name or the dry cargo.

No.	ITEM	Location : Bridge	MINIMUM QUANTITY	Expiry date
1	Triangular bandages (ผ้าสามเหลี่ยมคล้องแขน)		4 pcs	4 PCS
2	Medium sterile bandages with dressings (ผ้าพันแผลขนาดกลางพร้อมผ้าปิดแผล)		6 pcs	6 PCS
3	Large sterile bandage with dressing (ผ้าพันแผลใหญ่พร้อมผ้าปิดแผล)		2 pcs	2 PCS
4	Extra large dressings (ผ้าพันแผลขนาดใหญ่พิเศษ)		2 pcs	2 PCS
5	Medium safety pins, rustless. (เข็มกลัดไร้สนิม)		6 pcs	6 PCS
6	Assorted elastic adhesive dressing (พลาสเตอร์ปิดแผล)		20 pcs	20 PCS
7	Sterile eye pads with attachment (แผ่นปิดตา)		2 pcs	2 PCS
8	Packages containing sterile gauze swabs (แผ่นทำความสะอาดแผล)		2 pcs	06/26
9	Large size disposable latex-free examination gloves (ถุงมือแพทย์ขนาดใหญ่)		5 pairs	10/27
10	Sterile eye wash in eye wash bottle (น้ำยาล้างตา)		1 bottle	08/29
11	Adhesive Tape (เทปพันแผล)		1 pc	02/28
12	Cotton tipped swab (ไม้พันสำลี)		1 pc	1 PC
13	Surgical Scissor (กรรไกรทางการแพทย์)		1 pc	1 PCS
14	Alcohol 70% or Normal Saline Solution or Wound cleaning agents. (น้ำยาล้างแผล)		1 bottle.	01/23
15	Povidone iodine, First aid cream or Antiseptic cream. (ยาทาแผลสด)		1 pc	04/27
16	Cold & Pain relief medicine, Paracetamol, aspirin, ibuprofen (ยาแก้ปวด, ลดไข้)		1 bottle	03/26
17	Burn medicine oilment. (ยาทารักษาแผล น้ำร้อนลวก แผลไฟไหม้)		1 pc	12/25
18	Antacid (ยาลดกรด)		1 pc	03/28
19	Antihistamine, Chlorpheniramine, Brompheniramine (ยาแก้แพ้)		1 pc	12/26
20	Medicine to relieve diarrhea, Cabon (ยาบรรเทาอาการท้องเสีย, ยาม่วงถ่านถ่านอน)		1 pc	
21	Oral Rehydration salts : ORS (เกลือแร่ แก้ท้องเสีย)		10 pcs	
22	Antiflatulent, Solol et menthol mixture. (ยาบรรเทาอาการท้องอืด, ยาชับลม, ยาราคุน้ำขาว)		1 pc	
23	Laxative (ยาระบาย, แก้อาการท้องผูก)		1 pc	
24	Sore throat medicine, Throat lozenges. (ยาแก้เจ็บคอ)		1 pc	
25	Cough Syrup. (ยาแก้ไอ)		1 pc	
26	Oilment for itch, Calamine Lotion. (ยาม่อง, ตาลาไมน แก้อาการคันผิวหนัง)		1 pc	1 PCS
27	Analgesic balm, counterpain balm. (ยานวดแก้ปวดเมื่อย)		1 pc	
28	Thermometer (ปรอทวัดไข้)		1 pc	1 PCS

Remark :

No. 1-10 refer to Singapore Merchant Shipping Regulation 2014 PART IV
The first-aid kit to be carried on Passenger ships.

Drills	Reference	Scope	Remarks	Records	Other	Monthly	Bi-Monthly	Quarterly	Last Done	Due Date
Abandon	SOLAS Chap III Reg 19.3.2 & OVIQ 3.10.5	All vessels	Fire in the engine room Fire in the accommodation Fire on cargo deck Fire on bridge Fire in the galley Fire in propulsion Room Explosion Fire involving IMDG cargo.	Drill Report/SmartPal/Logbook	1/Within 24h of the ship leaving a port if more than 25% of the crew have not participated in abandon ship and fire drills on board that particular ship in the previous month 2/When new crew is engaged, these drills shall be held before sailing	X (+Flag Requirements if required)		X (Lifeboat launched)	18-Oct-25	17-Nov-25
Fire	SOLAS Chap III Reg 19.3.2 & 19.3.4 IMDG EMS Guide	All vessels Vessel holding IMDG DOC	Fire in the engine room Fire in the accommodation Fire on cargo deck Fire on bridge Fire in the galley Fire in propulsion Room Explosion Fire involving IMDG cargo.	Drill Report/SmartPal/Logbook	1/Within 24h of the ship leaving a port if more than 25% of the crew have not participated in abandon ship and fire drills on board that particular ship in the previous month 2/When new crew is engaged, these drills shall be held before sailing	X (+Flag Requirements if required)			18-Oct-25	17-Nov-25
Man over board	SOLAS III Reg 19.3.4.6 & OVIQ 2.2.1	All vessels	MOB - Immediate action MOB-Delayed Action MOB- person missing : Action and SAR	Drill Report/SmartPal/Logbook	The vessel Master shall adopt man overboard drill scenario to cover the emergency/contingency situations during the basket/FROG transfer	X (+Flag Requirements if required)			1-Oct-25	30-Nov-25
Enclosed Space	SOLAS Chap III Reg 19.3.3	All vessels	In addition of SOLAS requirements, Enclosed Space PTP (PTW, Rescue plan, Rescue Manual, Gaz detectors use and calibration etc)	Drill Report/SmartPal/Logbook			X (+Flag Requirements if required)		25-Sep-25	24-Nov-25
Pollution	SOPEP/SMPEP	All vessels	As per approved SOPEP/SMPEP scenarios	Drill Report/SmartPal/Logbook				X (+Flag Requirements if required)	25-Sep-25	24-Dec-25
IMDG Cargo Spill	IMDG EMS Guide	Vessel holding IMDG DOC	Spill of IMDG cargo	Drill Report/SmartPal/Logbook	Every 12 months if IMDG Cargo is transported					25-Dec-00
Black Out : "Electrical Power Failure"	OVIQ 2.2.1 & 11.1.9 & ISM Chapter 8.1	All vessels (Each Shift trained)	Black out - Fuel line blockage by bacteria Black out : Short circuit main switchboard Black out : Engine Breakdown Quick Closing Valve disposal Segregation of fuel line (service tanks) Emergency Diesel Generator : (Use/Restart/Emergency Switchboard) Main switchboard failure	Drill Report/SmartPal/Logbook			X (+Flag Requirements if required)		29-Sep-25	28-Nov-25
DP	SMSClient	DP vessels	As per SMS Dynamic Positioning Procedure	Drill Report/SmartPal/Logbook		X			18-Oct-25	17-Nov-25

Security (Refer Section 6.2.1)	ISPS Code Part B, 13.6	All vessels	As per SSP scenarios	Drill Report/SmartPal/Logbook	1/Where more than 25% of the ship's personnel has been change, at any one time, with personnel that has not previously participated in any drill on that ship within the last 3 months, a drill should be conducted within one week of the change.		X (+Flag Requirements if required)	29-Sep-25	28-Dec-25
Emergency Steering	SOLAS Chap V Reg 26.4	All vessels		Drill Report/SmartPal/Logbook			X (+Flag Requirements if required)	29-Sep-25	28-Dec-25
AH and Towing Emergency Drill	SNS	AHTS/STUG	As per SSP scenarios	Drill Report/SmartPal/Logbook	Loss of towing object Loss of stability Loss of stability Excessive list, Emergency release of towing (AH) gear	Biannually : July / December At Master's discretion.		31-Jul-25	
Major Cyber Security Drill	ISM Code §8.2	All vessels/shore based/head of security/ IT Corp	One Major drill per shipman organization. Report shared within all Shipman fleet	Drill Report/SmartPal/Logbook	Every 12 months				23-Jun-01
Major Drill		All vessels /Shore based/Head of Security/SAC	One Major drill per shipman organization. Report shared within all Shipman fleet	Drill Report/SmartPal/Logbook	Every 18 months				23-Jun-01
Damage Control for SPS	SOLAS Chapter II-1 Reg. 19-1 SOLAS Chapter II-1 Reg. 8-1	Special Purpose Ships	As per SSP scenarios	Drill Report/SmartPal/Logbook	At least one damage control drills each year shall include activation of the shore-based support, if provided in compliance with regulation II-18-1.3, to conduct stability assessments for the simulated damage conditions		X (+Flag Requirements if required)		
Passenger Evacuation Drill (ONLY FOR FSV)	OVIQ 8.18.12: HSC Code	FSV		Drill Report/SmartPal/Logbook	1/ Drill is specific to vessels that have in their scope of work passengers frequent onboard		X (+Flag Requirements if required)		30-Jan-00

Drill Report POLLUTION
BML-S1-FRM.1329

POLLUTION

Vessel / Facility Name		Date
Bourbon Tongkam		25 September 2025
Attendees		
Position / Rank	Printed Name	Position / Rank
C/O		AB-1
2/O		AB-2
C/E		AB-3
2/E		AB-4
3/E		OS
EE		Oiler-1
Bosun		Oiler-2
		Cook

Drill Scenario – A simulated oil pollution incident was conducted to test crew response and familiarize all personnel with SMPEP procedures. The exercise scenario assumed an oil spill on deck during bunker transfer operations. The crew was instructed to identify the source of leakage, raise the alarm, and implement immediate control measures. SOPEP equipment including oil booms, absorbent pads, and drip trays were deployed to contain and recover the simulated spill. Communications were established with the bridge and the duty officer maintained the SOPEP checklist. Emergency reporting procedures were exercised, including preparation of a Pollution Incident Report. After completion, equipment was cleaned, restored, and all crew were debriefed by the Master.

Drill steps		Debriefing – For “To be improved” answers, state remedial action in action plan below.	Time
Case 1 : Contained Spill			
<input checked="" type="checkbox"/> Raise the general alarm and general announcement.	<input checked="" type="checkbox"/> Good <input type="checkbox"/> To be improved		1315
<input checked="" type="checkbox"/> Rescue team mustering under supervision of the designated Officer.	<input checked="" type="checkbox"/> Good <input type="checkbox"/> To be improved		1318
<input checked="" type="checkbox"/> Identify location of the leakage: Bunker station on STBD side Manniford	<input checked="" type="checkbox"/> Good <input type="checkbox"/> To be improved		
<input checked="" type="checkbox"/> Closure or Isolation of the source of leakage.	<input checked="" type="checkbox"/> Good <input type="checkbox"/> To be improved		1318
<input checked="" type="checkbox"/> Reporting to be done as per SOPEP .	<input checked="" type="checkbox"/> Good <input type="checkbox"/> To be improved		
Adequate PPE worn by rescue team members: Chemical suit Chemical gloves Goggles Mask	<input checked="" type="checkbox"/> Good <input type="checkbox"/> To be improved		1320
Chemical boots SOPEP Material to be installed and get ready for using: Roll of Plastic Bags Absorbent Pads Aqua break Jet Spray Absorbent pillows Sawdust Scupper plugs	<input checked="" type="checkbox"/> Good <input type="checkbox"/> To be improved		1321
Case 2 : Spill at sea			
<input type="checkbox"/> Simulate VDR / S-VDR save function.	<input checked="" type="checkbox"/> Good <input type="checkbox"/> To be improved		
<input type="checkbox"/> Raise the general alarm and general announcement.	<input type="checkbox"/> Good <input type="checkbox"/> To be improved		
<input type="checkbox"/> Rescue team mustering under supervision of the designated Officer.	<input type="checkbox"/> Good <input type="checkbox"/> To be improved		
<input type="checkbox"/> Identify spill area.	<input type="checkbox"/> Good <input type="checkbox"/> To be improved		

Drill Report POLLUTION
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<input type="checkbox"/> Anti-pollution spray boom installation and deployment	<input type="checkbox"/> Good <input type="checkbox"/> To be improved
Connection of the anti-pollution spray boom to sea water line and dispersant tank.	<input type="checkbox"/> Good <input type="checkbox"/> To be improved
<input type="checkbox"/> Anti-pollution spray boom test (without dispersant product)	<input type="checkbox"/> Good <input type="checkbox"/> To be improved
<input type="checkbox"/> Simulate VDR / S-VDR save function	<input type="checkbox"/> Good <input type="checkbox"/> To be improved
Debriefing	
For “To be improved” answers, state remedial action in action plan below.	
1. Respect of Roles & Responsibilities	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> To be improved
2. Communications between involved teams	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> To be improved
3. Logging of events	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> To be improved
4. Reliability of equipment	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> To be improved
5. E&C documentation	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> To be improved
6. Other, specify:	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> To be improved
Action plan	
For “To be improved” answers, state remedial action in action plan below.	
ACTION	PERSON IN CHARGE
NIL	NIL
	NIL

Drill pictures



Comments / Opportunities for Improvements

When improvement suggestions are given below, remedial actions to be added in action plan.

- Crew responded promptly to the simulated spill; however, time to deploy oil booms can be improved with more practice.



Drill Report FIRE

BML-S1-FRM.1328



Drill Report POLLUTION

BML-S1-FRM.1329

Master (Name / Signature*)	
Officer in Charge of the Drill (Name / Signature*)	

*Vessel fitted with digital software doesn't require signature. Form shall be approved only by Master.

FIRE

Vessel / Facility Name		Date
BOURBON TONG KAM		18/10/2025
Attendees		
Position / Rank	Printed Name	Position / Rank
Master		AB
C/O		AB
2/O		AB
Ch. Engineer		AB
2nd Engineer		AB
3rd Engineer		Oiler
EE		Oiler
Bosun		Cook

Briefing - Drill scenario to be described

Additional Fire drill, included in the drill matrix, performed upon request of the Referent Officer visiting the vessel.

Simulated a fire on navigational bridge, fire source was the electrical cabinet wiring short circuit which caught on fire and spread out, detected by the OOW on duty from the bridge itself. Fire drill performed in a good manner, however there are two points to improve for an even better performance next time as on the vessel there is always place for some improvement.

The drill was initiated with the sounding of the General Alarm, followed by a Public Address (PA) announcement made by the Captain Jaroonsak on the navigational bridge. The announcement provided instructions for all crew/personnel to proceed to the Muster Station on the FRC Deck. Strong point observed was that C/O Poompat has a very good command of his crew and performs in an organised way. Good job, keep it up.

The crew mustered without significant delay with their full PPE, head count was performed and reported to bridge by C/O, short briefing was held during which an action plan was established. A role call check followed which is also a good point observed as it always helps some to remember their role. Crew proceeded to their stations. Made an observation that everybody was active during the drill, nothing to report in this matter.

One fireman team consisted of two firemen and their respective helpers proceeding to their respective station: fireman station inside accommodation deck 2 just below the bridge, to dress up with their assistants, all in order, assistants available in necessary areas. Fireman team ready within 3 minutes, evident training done previously.

Cooling team preparing and laying out the fire hoses for cooling purposes close to the fire location. Simulated fire pumps operation due to the fact that the vessel was alongside at the time of the drill and spraying water was not allowed by the port authorities at that time.



Drill Report FIRE

BML-S1-FRM.1328

An improvement suggested regarding investigating the possibility of sourcing locally fireproof hoods/balacavas due to their absence. Point will be raised at BOA office during the concluding meeting in the mean time crew advised to issue a PR for these items.

Fireman team leader fitted with radio sets, a point to be improved next time is to perform a solid proper radio check prior giving green light to attack the fire.

SCBA pressure check done and reporting to bridge done as well, both cylinders with pressure around 280 bar. All fine, nothing to report. SCBA compressor available and operational, crew advised about the requirement of keeping the running hours & maintenance log.

Simulated order to start the fire pump by C/O given to the engine department.

Cooling team simulated water cooling of the doors prior to entry by the fireman team.

Upon receiving green light from C/O fireman team proceeding towards the fire location inside navigational Bridge. Observed proper opening doors & trailing technique. Fire attacked with CO2 extinguisher.

Scenario included that fire was being attacked, attempted to extinguish with one fireman team on location and successfully extinguished.

A post drill briefing was held on the bridge during which the Referent Officer shared his feedback on the conducted drills.

Drill steps		Debriefing – For "To be improved" answers, state remedial action in action plan below	Time
<input checked="" type="checkbox"/> Fire detection.		<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> To be improved	1609
<input type="checkbox"/> Safety plan checked.		<input type="checkbox"/> GOOD <input type="checkbox"/> To be improved	
<input type="checkbox"/> SOLAS Training manual and Muster lists up to date.		<input type="checkbox"/> GOOD <input checked="" type="checkbox"/> To be improved	
<input checked="" type="checkbox"/> Fire Alarm + General announcement.		<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> To be improved	1609
<input checked="" type="checkbox"/> Bridge communication and GMDSS.		<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> To be improved	
<input type="checkbox"/> Fire pump running (started in normal and remote control) and operating pressure tested. OR <input type="checkbox"/> Emergency fire pump started and pressure tested		<input type="checkbox"/> GOOD <input type="checkbox"/> To be improved	
<input type="checkbox"/> Close watertight doors if applicable.		<input type="checkbox"/> GOOD <input type="checkbox"/> To be improved	
<input checked="" type="checkbox"/> Mustering completed and fire muster list compiled.	POB: 16 Missing people: 0	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> To be improved	1610
<input type="checkbox"/> Team leader to determine a fire attack plan.		<input type="checkbox"/> GOOD <input type="checkbox"/> To be improved	
<input checked="" type="checkbox"/> Correct mustering of fire team.		<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> To be improved	1613
<input checked="" type="checkbox"/> Correct dressing of firemen outfit.		<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> To be improved	1615
<input type="checkbox"/> Communication checked.		<input type="checkbox"/> GOOD <input checked="" type="checkbox"/> To be improved	
<input type="checkbox"/> Electrical isolation performed.		<input type="checkbox"/> GOOD <input type="checkbox"/> To be improved	
<input type="checkbox"/> Ventilation stopped.		<input type="checkbox"/> GOOD <input type="checkbox"/> To be improved	
<input checked="" type="checkbox"/> Preparation of firefighting hoses.		<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> To be improved	
<input type="checkbox"/> Two different water hoses fitted and used.		<input type="checkbox"/> GOOD <input type="checkbox"/> To be improved	
<input checked="" type="checkbox"/> Preparation of cooling hoses by cooling team.		<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> To be improved	
<input type="checkbox"/> Close of fire dampers on deck.		<input type="checkbox"/> GOOD <input type="checkbox"/> To be improved	



Drill Report FIRE

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<input checked="" type="checkbox"/> Firefighting team ready and at location.		<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> To be improved	1618
<input checked="" type="checkbox"/> Check Breathing apparatus equipment.	BA pressure: 280	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> To be improved	
<input type="checkbox"/> Safety precautions taken before entering in the locker/space.		<input type="checkbox"/> GOOD <input type="checkbox"/> To be improved	
<input checked="" type="checkbox"/> Fire Fighting team starts fire attack.		<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> To be improved	1619
<input checked="" type="checkbox"/> Fire attack completed.		<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> To be improved	1622
<input type="checkbox"/> Simulate YDR / S-VDR save function.		<input type="checkbox"/> GOOD <input type="checkbox"/> To be improved	
Additional scenario if 2 fire teams on board. In case fire team 04 failed to extinguish the fire.			

Debriefing		For "To be improved" answers, state remedial action in action plan below	
1. Respect of Roles & Responsibilities		<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> To be improved	
2. Communications between involved teams		<input type="checkbox"/> GOOD <input checked="" type="checkbox"/> To be improved	
3. Logging of events		<input type="checkbox"/> GOOD <input checked="" type="checkbox"/> To be improved	
4. Reliability of equipment		<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> To be improved	
5. E&C documentation		<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> To be improved	
6. Mustering		<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> To be improved	

Action plan			
For "To be improved" answers, state remedial action in action plan below.			
ACTION	PERSON IN CHARGE	DUE DATE	STATUS
Investigating the possibility of sourcing the fireman hoods for the fireman in order to protect head and neck	C/O	18/01/2026	OPENED
Logging of the events to be done in the future for easy reporting further on	Master	18/01/2026	OPENED
Necessity of conducting a proper communication test prior giving green light to fight the fire	C/O	18/01/2026	OPENED
Crew advised about the importance of keeping the SCBA running hours and maintenance log	C/O	18/01/2026	OPENED

Drill pictures	



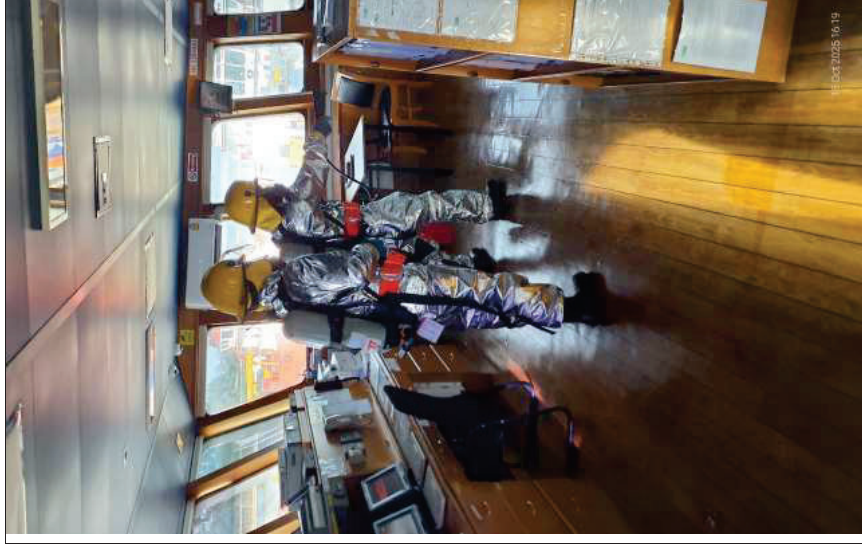












Drill Report FIRE
BML-S1-FRM.1328



Comments / Opportunities for Improvements
When improvement suggestions are given below, remedial actions to be added in action plan.

The fire drill was conducted in a good manner, meeting its objectives, however crew needs to remain their good level and there is always place for improvement for the next time. The Emergency Response Team demonstrated good efficiency, knowledge, teamwork, and technical skills. Such exercises should be continued regularly to ensure preparedness for real-life emergencies.

Recommendations

1. Conduct periodic refresher training on SCBA and firefighting equipment use and maintenance.
2. Simulate more complex scenarios to test advanced firefighting techniques.
3. Ensure all crew members are familiar with emergency escape routes in low-visibility situations.
4. Review communication protocols for further streamlining of coordination between teams.

Master (Name / Signature*)

Officer in Charge of the Drill (Name / Signature*)

*Vessel fitted with digital software doesn't require signature. Form shall be approved only by Master.

Drill Report RESCUE FROM ENCLOSED SPACE
BML-S1-FRM.1330

RESCUE FROM ENCLOSED SPACE

Vessel / Facility Name	Date
Bourbon Tongkam	25 September 2025

Attendees		
Position / Rank	Printed Name	Position / Rank
C/O		AB-1
2/O		AB-2
C/E		AB-3
2/E		AB-4
3/E		OS
EE		Oiler-1
Bosun		Oiler-2
		Cook

Briefing - Drill scenario to be described

Drill Scenario – A simulated emergency was carried out involving a crew member collapsed inside a confined/enclosed space (Fresh Water tank). The scenario assumed the casualty was overcome by lack of oxygen. The alarm was raised, and the enclosed space entry/rescue team was mustered. The team donned appropriate PPE, including SCBA, and followed the enclosed space entry permit procedures. Standby personnel prepared retrieval equipment, lifelines, and stretcher. The rescue team entered the space, secured the casualty, and safely recovered him to the deck. First aid and oxygen resuscitation were administered. Communication and coordination between rescue team, bridge, and duty officer were exercised. After completion, equipment was restored and a debriefing was conducted by the Master.

Drill steps		Debriefing – For “To be improved” answers, state remedial action in action plan below.		Time
<input checked="" type="checkbox"/>	Raise the general alarm and general announcement.	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> To be improved	1215
<input checked="" type="checkbox"/>	ERC flow chart contacts to be tested.	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> To be improved	
<input checked="" type="checkbox"/>	Rescue team mustering under designated deck Officer Supervision.	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> To be improved	1218
<input checked="" type="checkbox"/>	Pre-entry atmosphere test			1222
	Rescue equipment to be deployed and ready for using: Tripod Stretcher Safety harness/fall arrestor SCBA Lights	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> To be improved	1222
	Medical equipment to be deployed and ready for using: Medical oxygen. First Aid Kit Neck brace Defibrillator	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> To be improved	1235
<input checked="" type="checkbox"/>	Communication means checked/tested (Bridge/Watchman/Crew working in enclosed space)	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> To be improved	
<input checked="" type="checkbox"/>	IP(e)s recovering from enclosed space paying attention to condition of casualties.	<input type="checkbox"/> GOOD	<input type="checkbox"/> To be improved	1245
<input checked="" type="checkbox"/>	IP to be transported to the hospital and Drill dismissed.	<input type="checkbox"/> GOOD	<input type="checkbox"/> To be improved	1315

Debriefing

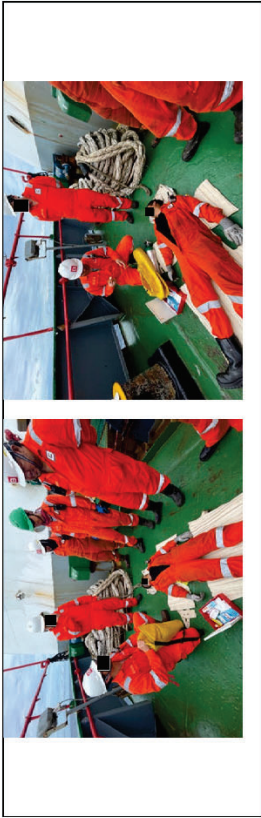
For “To be improved” answers, state remedial action in action plan below.

1. Respect of Roles & Responsibilities	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> To be improved
2. Communications between involved teams	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> To be improved

3. Logging of events	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> To be improved
4. Reliability of equipment	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> To be improved
5. E&C documentation	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> To be improved
6. Other, specify: Keep and maintain routine for the drill.	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> To be improved

Action plan			
For "To be improved" answers, state remedial action in action plan below.			
ACTION	PERSON IN CHARGE	DUE DATE	STATUS
Ni	Ni	Ni	Ni

Drill pictures



Comments / Opportunities for Improvements

When improvement suggestions are given below, remedial actions to be added in action plan.

- Response time to muster the rescue team and prepare equipment can be shortened with more frequent practice.
- Some crew were unfamiliar with the exact location of rescue tripod and lifelines; additional familiarization is recommended.
- Use of SCBA was satisfactory, but donning time should be improved

Master (Name / Signature*)

Officer in Charge of the Drill (Name / Signature*)

*Vessel fitted with digital software doesn't require signature. Form shall be approved only by Master.



Hygiene Inspection

BML-S1-FRM.1349

Vessel Name:	Bourbon TongKam	Date:	31 October 2025
Inspection made by Name:		Rank:	Chief Officer

Tick Inspected areas			
Food Handlers' Personal Hygiene	<input checked="" type="checkbox"/> Dry Store(s)	<input checked="" type="checkbox"/> Cabins	<input checked="" type="checkbox"/>
Galley and food preparation	<input checked="" type="checkbox"/> Mess Room	<input checked="" type="checkbox"/> Hospital	<input checked="" type="checkbox"/>
Freezer Room	<input checked="" type="checkbox"/> Laundry	<input checked="" type="checkbox"/> Provisions Supplied to Vessel	<input checked="" type="checkbox"/>
Refrigerated room(s) / fridge(s)	<input checked="" type="checkbox"/> Shared areas (rest / TV / changing room, corridors, toilets...)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Food Handlers' Personal Hygiene		YES	Comment(s)
Free of cuts, burns, wounds, sores, skin irritation...		<input checked="" type="checkbox"/>	
Not presenting any sign of illness (nausea, diarrhoea, coughing...)		<input checked="" type="checkbox"/>	
Hands are clean with fingernails cut short		<input checked="" type="checkbox"/>	
No rings, watch, jewellery or face piercing worn		<input checked="" type="checkbox"/>	
Appropriate and clean working clothes (ref. PPE Matrix Specification)		<input checked="" type="checkbox"/>	2 sets available
Cap or hair net worn / long hair tied up		<input checked="" type="checkbox"/>	
Disposable gloves available, used only as necessary and thrown away after utilization		<input type="checkbox"/>	Not available
Individual Hygienic behaviour (having a shower before each shift, washing hands often, not eating food being cooked, washed dishes left air dried naturally, hand contact with food minimized...)		<input checked="" type="checkbox"/>	
Hands are washed in separate sink and with proper anti-bacterial soap		<input checked="" type="checkbox"/>	
Others:		<input type="checkbox"/>	

Galley and Food Preparation		YES	Comment(s)
Galley cleaning schedule organized and followed		<input checked="" type="checkbox"/>	
Floor, walls, ceiling, working areas, closets, drawers, shelves are maintained clean, free of dust/grease/food deposits.		<input checked="" type="checkbox"/>	
Equipment is in good working order and maintained clean (Oven, mixer, washing machine, cooking plates, under cooking plates...)		<input checked="" type="checkbox"/>	
Utensils are maintained clean and in good condition (Can opener, spatulas, stoves, casseroles...)		<input checked="" type="checkbox"/>	Spare equipment available
Areas where grease, oil and fat can accumulate are found clean and free from build-up (including under hot plates, inside extractors and ducting...)		<input checked="" type="checkbox"/>	2/E helping the Cook to clean on regular basis
Piping and drains from sinks are not clogged up or leaking		<input checked="" type="checkbox"/>	
Sinks are kept cleaned, without stagnating water or left dishes		<input checked="" type="checkbox"/>	
Water is adequately supplied (hot and cold water, pressure...)		<input checked="" type="checkbox"/>	
Floor is kept free of slipping hazard or obstacle / tripping hazard		<input checked="" type="checkbox"/>	
Ventilation equipment (hood, A/C, fan, extractor...) is maintained cleaned including filters and inside surfaces (daily and weekly cleaning program)		<input checked="" type="checkbox"/>	
Hand cleaner available in sufficient quantity		<input checked="" type="checkbox"/>	
Fire extinguishers clear of obstruction, clean and ready for use		<input checked="" type="checkbox"/>	
Galley team knows how/when to use fire extinguishers		<input checked="" type="checkbox"/>	
Dishes are stored in appropriate location (never on the floor)		<input checked="" type="checkbox"/>	Spare dishes, cups, glasses and cutlery available
Food preparation: <ul style="list-style-type: none">Colour coded separated chopping boards (meat/fish/vegetable/fruit) usedColour coded separated knives usedDifferent working surfaces used for uncooked and cooked food preparation		<input checked="" type="checkbox"/>	



Hygiene Inspection

BML-S1-FRM.1349

<ul style="list-style-type: none">Preparation of salads, sandwiches and other uncooked meals is done as per instructionsFood cooked in advance is maintained in adequate condition and temperature before serving (in bain-marie, heating plate or cold cabinet)Oil in the Fryer is cleaned and changed regularly (or checked for polar compounds)Cooked food (not served), kept after meal, is properly stored (in refrigerated room, covered, on lower shelf, separated from raw food)		
Defrosting process is carried out in a dedicated and marked refrigerated area, not in water and with good drainage of thawed liquid away from the product being defrosted		<input checked="" type="checkbox"/>
Garbage bins are in good condition, kept clean, covered, away from food preparation and emptied regularly.		<input checked="" type="checkbox"/>
Color coding and garbage segregation is respected		<input checked="" type="checkbox"/>
Floor drainage system is clean and unclogged		<input checked="" type="checkbox"/>
For vessels with an operational dishwasher, the draining rack is regularly cleaned and disinfected		<input type="checkbox"/>
For vessels with an operational dishwasher – dish cloths are washed weekly		
For vessels with no / non-operational dishwasher – dish cloths are washed daily		<input type="checkbox"/>
Used dishes, plates, utensils, cutlery etc. are washed immediately or latest after each meal serving with hot water and cleaning product or in dishwasher		<input checked="" type="checkbox"/>
Insect killer installed and cleaned regularly		<input checked="" type="checkbox"/>
Emergency equipment is in place, accessible and in good condition (One First Aid Kit, and at least one fire blanket and one extinguisher)		<input type="checkbox"/>
Emergency exit signed and unobstructed		<input checked="" type="checkbox"/>
Galley personnel aware of the emergency procedures & practices		<input checked="" type="checkbox"/>
No smoking sign is posted and prohibition respected		<input checked="" type="checkbox"/>
Restricted access is respected		<input type="checkbox"/>
Prevention of pests is maintained and effective		<input type="checkbox"/>
Others:		<input type="checkbox"/>

Freezer Room		YES	Comment(s)
Freezers, Floor, walls, ceiling, doors and storage compartments (shelves) are maintained cleaned and tidy		<input checked="" type="checkbox"/>	
Freezer temperature is below 18° C and recorded daily on the posted log. Thermometer available.		<input checked="" type="checkbox"/>	
No leaks or accumulated ice		<input checked="" type="checkbox"/>	
Regular defrosting is carried out		<input checked="" type="checkbox"/>	Dedicated area available
Food (newly delivered or already cooked) is covered / wrapped and stored as required		<input checked="" type="checkbox"/>	
The date of entry in the freezer is written on the food wrapping / packaging		<input type="checkbox"/>	
Storage is organized by food family and in such way to easily allow "first in - first out"		<input checked="" type="checkbox"/>	
Freezer used only for food storage		<input checked="" type="checkbox"/>	
Meal samples are available and properly labelled for at least the past 7 days		<input type="checkbox"/>	
Freezer emergency call button alarm tested and functional		<input checked="" type="checkbox"/>	
Restricted access is respected		<input type="checkbox"/>	Area not locked during Cook absence

Refrigerated Room(s) and Fridge(s)		YES	Comment(s)
Floor, walls, ceiling, doors and storage compartments (shelves) are maintained cleaned and tidy		<input checked="" type="checkbox"/>	
Refrigerated room(s) and fridge(s) temperatures are between 1 and 5° C and recorded daily on the posted log		<input checked="" type="checkbox"/>	
Food (newly delivered or already cooked) is covered / wrapped and stored as required		<input checked="" type="checkbox"/>	
No leaks or accumulated water		<input checked="" type="checkbox"/>	

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Storage is organized by food family and in such way to easily allow <i>"first in – first out"</i>	<input checked="" type="checkbox"/>	
No presence of outdated or rotten food	<input checked="" type="checkbox"/>	
The date of entry in the refrigerated room is written on the food wrapping / packaging (if no expiry date is already available)	<input type="checkbox"/>	
Refrigerated rooms and fridges used only for food storage	<input checked="" type="checkbox"/>	
Inside alarm tested and functional (if available)	<input checked="" type="checkbox"/>	
Prevention of pest is maintained and effective (no cardboard storage)	<input checked="" type="checkbox"/>	Cardboard storage observed
Restricted access is respected	<input checked="" type="checkbox"/>	Area not locked during Cook absence
Others:	<input type="checkbox"/>	

Dry Store(s)	YES	Comment(s)
Floor, walls, ceiling, doors and storage compartments (shelves) are maintained cleaned and tidy	<input checked="" type="checkbox"/>	
Storage is organized by food family and in such way to easily allow <i>"first in – first out"</i>	<input checked="" type="checkbox"/>	
No cooked food is kept in the dry store for further service.	<input checked="" type="checkbox"/>	
Food is not stored directly on the floor.	<input checked="" type="checkbox"/>	
Grating is used only if storing on floor is of real necessity (lack of space)	<input checked="" type="checkbox"/>	
Cans and packing are in good condition (not pierced, opened...)	<input checked="" type="checkbox"/>	
No presence of outdated or rotten food	<input checked="" type="checkbox"/>	
No leaks or accumulated water	<input checked="" type="checkbox"/>	
Dry store(s) are used only for food storage. Galley products / chemicals are kept in dedicated area, away from contact with food	<input checked="" type="checkbox"/>	
Ventilation - A/C is in good working condition and cleaned regularly	<input checked="" type="checkbox"/>	
Prevention of pests is maintained and effective (no cardboard storage)	<input type="checkbox"/>	Cardboard storage observed
Restricted access is respected	<input type="checkbox"/>	Area not locked during Cook absence
Others:	<input type="checkbox"/>	

Mess Room	YES	Comment(s)
Floor, walls, ceiling, doors, tables, chairs and furniture are maintained cleaned, tidy and in good condition. Table cloths / place sets regularly washed	<input checked="" type="checkbox"/>	Night shift cleaning schedule
Dishes, plates and glasses free of cracks	<input checked="" type="checkbox"/>	Spare available
Food not left in advance on the tables for the coming meal, or with proper cover and in adequate temperature (heating plate, bain-marie, cold cabinet...)	<input type="checkbox"/>	Food served directly from the stove
Dishes, utensils, cutlery etc. removed from the tables after the meals and immediately washed (or latest after the kitchen shift)	<input checked="" type="checkbox"/>	
All remaining served food thrown away	<input checked="" type="checkbox"/>	
Only un-served food can be kept (in refrigerated room, covered, and separated from raw meat...)	<input checked="" type="checkbox"/>	
Meal hours posted well in sight and respected	<input checked="" type="checkbox"/>	
Garbage bins in good condition, kept clean, covered, away from tables and emptied regularly. Colour coding and garbage segregation respected	<input checked="" type="checkbox"/>	
No working clothes (including working shoes) in the mess	<input type="checkbox"/>	
Insect killer installed and cleaned regularly	<input type="checkbox"/>	To be provided
No smoking sign posted and interdiction respected	<input checked="" type="checkbox"/>	
Prevention of pest is maintained and effective (no cardboard storage)	<input type="checkbox"/>	Cardboard storage observed
Others:	<input type="checkbox"/>	

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Shared Areas (Recreation / TV / Changing Room, Corridors, Toilets...)	YES	Comment(s)
All areas' floor, walls, ceiling, doors, tables, chairs, furniture, lockers, wash basins and toilets are maintained cleaned, tidy and in good condition	<input checked="" type="checkbox"/>	
Soap, paper, towels are available in the changing room, toilet and wash room (as applicable)	<input checked="" type="checkbox"/>	
Piping, outlets, basin, toilet etc. are unclogged and without leaks	<input checked="" type="checkbox"/>	
Electrical equipment in good condition and clean (coffee machine, air dryer...)	<input checked="" type="checkbox"/>	
No working shoes and working clothes in res/TV rooms or corridors	<input type="checkbox"/>	
Smoking only occurring in designated area(s) with clean and regularly emptied ash trays	<input checked="" type="checkbox"/>	
Garbage bins in good condition, kept clean, covered and emptied regularly. Colour coding and garbage segregation respected	<input checked="" type="checkbox"/>	
Insect killers are installed in key locations and cleaned regularly	<input type="checkbox"/>	To be provided
Prevention of pest is maintained and effective (no cardboard storage)	<input type="checkbox"/>	
Emergency instructions (fire plan, emergency routes & equipment...) are posted at each necessary location	<input checked="" type="checkbox"/>	
Others:	<input type="checkbox"/>	

Laundry	YES	Comment(s)
Area is clean and tidy- no unnecessary or flammable items near washing or drying machines	<input checked="" type="checkbox"/>	
Proper ventilation, air conditioning and lighting	<input checked="" type="checkbox"/>	
Ventilation ducting from machines to fire damper clear of lint or debris build-up	<input checked="" type="checkbox"/>	
Equipment is in good working order	<input checked="" type="checkbox"/>	3 washing machine and 3 dryer in use, 1 washing machine in spare
Warning sign to unplug pressing iron posted, or, iron fitted with timer	<input checked="" type="checkbox"/>	
Electrical fittings / connections are adequate (hard wired or waterproof rated connections) and in good working order	<input checked="" type="checkbox"/>	
Piping, vent hoses and drains are unclogged and without holes or leaks	<input checked="" type="checkbox"/>	
Fire door not blocked or manually held back	<input type="checkbox"/>	

Cabins	YES	Comment(s)
Cabins are clean and tidy – no unnecessary or flammable items near washing or drying machines	<input checked="" type="checkbox"/>	
Furniture and equipment are in good condition and working order	<input checked="" type="checkbox"/>	
Floor, walls, doors and ceiling are in good condition	<input checked="" type="checkbox"/>	
Proper lighting, ventilation, air conditioning	<input checked="" type="checkbox"/>	
Beds, mattresses, sheets and curtains are in good condition	<input type="checkbox"/>	No spare mattresses, spare bed sheets available
Bed barriers (safety rails) and ladders in good condition and properly secured	<input checked="" type="checkbox"/>	
Electrical fittings are in good condition, free of bare wires and in working order	<input checked="" type="checkbox"/>	
Electrical sockets not overloaded with multiple plugs	<input checked="" type="checkbox"/>	
Correct emergency instructions are posted	<input checked="" type="checkbox"/>	
Bathrooms are clean and tidy	<input checked="" type="checkbox"/>	
Piping, outlets, basin, toilet etc. are unclogged and without leaks	<input checked="" type="checkbox"/>	
Water supply is adequate / sufficient	<input checked="" type="checkbox"/>	
Shower curtains are in good condition and free of mould	<input type="checkbox"/>	No spare available
Anti-slip carpets are installed in the shower and in front of bathroom access	<input type="checkbox"/>	No spare available



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Others:		<input type="checkbox"/>	
Hospital			
Hospital is maintained clean, tidy and hygienic		<input checked="" type="checkbox"/>	Comment(s)
Furniture / equipment are in good condition and working order		<input checked="" type="checkbox"/>	
Floor, walls, doors and ceiling are in good condition		<input checked="" type="checkbox"/>	
Proper lighting, ventilation, air conditioning		<input checked="" type="checkbox"/>	
Medicines are stored as required (closet, fridge and drugs locked)		<input checked="" type="checkbox"/>	
Medical register and other logs (i.e., medical inventory) available / correct		<input checked="" type="checkbox"/>	
Medical tools and equipment are correctly stored in good working order		<input checked="" type="checkbox"/>	
Bed is used only for patients		<input checked="" type="checkbox"/>	
Stretchers available and in good condition		<input checked="" type="checkbox"/>	
Bath room maintained in utmost cleanliness and tidiness		<input checked="" type="checkbox"/>	
Water supply is adequate / sufficient		<input checked="" type="checkbox"/>	
Piping, outlets, basin, toilet etc. are unclogged and without leaks		<input checked="" type="checkbox"/>	
Shower curtain is in good condition and free of mould		<input type="checkbox"/>	
Anti-slip carpets are installed in the shower and in front of bathroom access		<input type="checkbox"/>	
Others:		<input type="checkbox"/>	
Provisions Supplied to Vessel			
Last food supplier		October 28, 2025	Comment(s)
Has the food been adequately packed and boxed		Yes	
All items for carrying / storing food are clean and hygienically maintained		Yes	
Are the supplies delivered showing Long Expiry Dates		Yes	
Potable Water			
Water quality laboratory test (as per Flags Requirements)		<input checked="" type="checkbox"/>	Comment(s)
Water quality visually clear with no odour, sediment, discoloration or other cause for concern		<input checked="" type="checkbox"/>	September 26, 2025
Warm water outlet temperature at least 60°C		<input checked="" type="checkbox"/>	
Cold water outlet temperature less than 25°C		<input checked="" type="checkbox"/>	
General Comments			
General appearance still satisfactory, as the vessel is 16 years old and needs some improvements like new amenities for the crew cabins and some entertainment equipment for the crew. Galley requires a working dish washer.			
Opportunities for improvement observed during inspection:			
1. First aid kit missing from galley and the one in engine control room requires updated inventory			
2. Reduction in the amount of cardboard storage due to pest control requirements			
3. Insect killers to be provided in shared areas			
4. Crew advised about the necessity of restricted access to galley, stores and hospital			
Conclusion:			
While hygiene and food safety standards are largely maintained at good level, there are minor areas that need attention. Addressing these issues promptly will ensure that the vessel continues to meet hygiene and safety standards.			



Marine Vessel Audit Checklist

VESSEL:	Bourbon Tongkam	DATE:	01 October 2025
PTTEP REP:		LOCATION OF INSPECTION:	Southern Jetty, Songkhla
VESSEL REP:		OWNER REP:	
SUBJECT:	Quarterly Marine Vessel Audit (Q4/2025)		

1.0 Safety & Standard of Management

ITEMS	Yes/No/NA		Remarks
	Yes	No/NA	
1.1 Confirm that Bridge Team are well aware of Guideline for Offshore Marine Operation (GOMO) or other related guidelines for the Safe Management of Offshore Supply and Anchor Handling Operations, including AWWP (Adverse weather working policy).	Yes		Refer to GOMO (Revision: 0611-1401) and Anchor Handling and Towing Manual Ver.02
1.2 Satisfactory level of safety management is demonstrated i.e., Safety Meetings, PTW, JSA, Risk Assessment, Pre-Job Meeting, Sub-Contractor management, etc.	Yes		Last PTP was conducted on 30 Sep 2025.
1.3 Confirm that emergency drill/exercise is compliant with ISM drill/training matrix & SOLAS requirement i.e., Abandon ship, Fire, Man Overboard, Emergency Steering, SOPEP, ETC.	Yes		Last drill date: - Abandon ship drill : 17-Sep-2025 - Fire drill : 17-Sep-2025 - MOB & Launching FRC : 18-Sep-2025 - Em' Cy steering drill : 29-Sep-2025 - SOPEP drill : 25-Sep-2025
1.4 Is the vessel provided with safe working practices evidence? i.e., SOC, BBS, Near-miss, Drop object, Snap back zone, Safe mooring operation, Line of fire, Hand trailing technique.	Yes		- BBS submitted to office with using barcode, minimum 2 cards/crew/month. - Hand trailing technique posted in every access way.
1.5 Is charterer's marine documentation available on board? i.e., GMI (Hard Copy), Bridging document & MOC with acknowledgment of the in-charge master	Yes		Document are available onboard
1.6 Confirm that the top four officers are familiarized with GMI (it shall be intensively interviewed to ensure that they all have well understood the GMI content)	Yes		GMI revision: 01 Jul 2025
1.7 Confirm that data cards are available on board for relevant installations and 500 m. Safety Zone pre-entry checks are carried out in conjunction with installation.	Yes		Last done at Rig T-10 on 28 Sep 2025.
1.8 Confirm that all crew members well understood the Stop Work policy and their authority and responsibility for Stop Work. (Including PTTEP 4 stops campaign)	Yes		Comply with Company Stop Wop Work policy and PTTEP 4 stops campaign
1.9 Is a safety briefing given to all personnel who go on a voyage (Refer to the passenger safety induction checklist)	Yes		Last passenger safety induction conducted on 12-Sep-2025



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1.10 Confirm that all Ship's Certificates and PTTEP Entry Permit are valid.	Yes	Entry permit expire: 01 Dec 2025
1.11 A record of Ship management (Management & Superintendent) visit, and routine audit is provided at least twice annually.	Yes	Last Management visit : 20 Jul 2025
1.12 The recent internal audit report is available, and a close out system in place for dealing with non-conformities.	Yes	Last internal Audit 14-Jun-2025 (All findings are closed out)
1.13 Master has reviewed the safety management system and report to the vessel operator.	Yes	Latest sharing is "Unauthorized DP operation at Jack up rig-Violation & non-compliant to utilize DP operation" and Garbage disposal
1.14 Crew well awareness of Incident Sharing, Lesson learns and standing instruction from clients.	Yes	
1.15 Is a safety familiarization given to all crew when they joined on board including the safe personnel transfer by basket/swing rope. (Refer to the safety briefing/ familiarization checklist, ETC)	Yes	Last Safety Familiarization was given to the joined Crew on 18 Sep 2025
1.16 The personnel transfer checklist by basket/swing rope (Including toolbox talk meeting & JSA) are effectively conducted and completed before the personnel transfer operation.	Yes	Last done : 12-Sep-2025
1.17 Are the opened deficiencies from the latest OVIQ inspection closed? Include a list with the status of all deficiencies.	Yes	Last OVID 19 Aug 2025 (All findings are closed out)
1.18 Are the weather parameters/permit including maximum limits for operation defined and known on board for the vessels work scope?	Yes	Refers to weather Condition criteria in PTTEP GMI section 8 and Company SMS section 5. Chapter 3.1.4 Weather and Environmental limit matrix
1.19 Other		

2.0 Safety

ITEMS	Yes/No/NA	Remarks
2.1 Are the fire detectors, where fitted, working & tested on a regular basis?	Yes	Last test date: 20 Sep 2025
2.2 Is the fire pump tested on a regular basis? (Both Bridge & Local control)	Yes	Last test date: 17 Sep 2025
2.3 Are fire extinguishers & fixed fire-fighting system in good condition?	Yes	Last Service date: 12 Jul 2025
2.4 Is there a fire blanket in the galley? Do the crews know how to operate the fire-fighting equipment?	Yes	
2.5 Is there a safe means of access to the vessel?	Yes	Safe access gangway provided by jetty



Marine Vessel Audit Checklist

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2.6 Are there adequate guardrails around the deck and in good condition?	Yes	
2.7 Is the surface of the working deck non-slip/trip?	Yes	
2.8 In the event of collision, grounding, fire, explosion, gas or toxic vapour release, are adequate written emergency procedures in place?	Yes	Refer to Emergency Response Plan ERP: SMS Section 11.
2.9 Are the life rafts onboard sufficient for the proposed maximum POB?	Yes	Life raft capacity : 6 Nos x 15 persons
2.10 Do the life rafts & hydrostatic release have a current certificate of examination?	Yes	Last Service date: 20 Aug 2025 HRU expired: Jun 2026
2.11 Are there the sufficient lifebuoys / lifebuoys with light for the type of operation and vessel?	Yes	2 pcs at forecastle deck
2.12 Do the lifebuoys have buoyant heaving lines?	Yes	4 pcs at Main deck
2.13 Is there a lifejacket for every person carried on the vessel?	Yes	Each crew provided by lifejacket
2.14 Are there parachute flares, red hand flares buoyant or hand held smoke signals onboard the vessel?	Yes	- Parachute Exp: Oct 2027 - Hand Flare Exp : Dec 2028 - buoyant smoke, Exp : Dec 2028
2.15 Are there effective means to recover a person from the water? Is a rescue boat (Including an engine & davit) in good order and properly tested?	Yes	Last launching date: 18 Sep 2025 Engine Type: Portable Yanmar (Diesel)
2.16 Are a rescue boat & davit carried out the annual and 5 years inspection by the certified contractor?	Yes	Last annual inspection : 09 Oct 2024 Last 5 years : 18 Oct 2022
2.17 Awareness of requirement to report all accidents, incidents and near misses refer to SSHE/Bridging document.	Yes	Revert to Ships folder Event Report
2.18 Chemicals: Storage, SDS, PPE, compliance are in order.	Yes	
2.19 Paint locker: Deluge system (Fixed Fire Fighting), Procedure, Signs, Sea fastening are in good order.	Yes	
2.20 An effective isolation process and Lock out Tag out system are implemented on board.	Yes	
2.21 A portable gas/oxygen detector is provided to vessel, and it is calibrated and in good order. (Require all ship of 500 GRT and above)	Yes	Last calibration : 01 Aug 2025
2.22 If vessel has FIFI notation. Are FIFI and the associated equipment in good order & regularly tested?	Yes	Last Tested : 28 Sep 2025
2.23 Other		

3.0 Manning, Experience & Qualifications

ITEMS	Yes/No/NA	Remarks
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3.1 Do the key personnel in command (top 4 officers) hold an appropriate certificate of competency, including flag state endorsement (COE)?	Yes	
3.2 Do the crews familiar with the current vessel refer to the working record of current vessel?	Yes	Two SSE onboard (AB & Electrician)
3.3 Do the personnel onboard has proper experience and familiar with the operation and maintenance of the main propulsion, equipment and machinery?	Yes	The engine crews are experience and familiar with the system
3.4 Confirm that the crew's who work on deck hold the Riggering & Slinging training certificate by certified trainer.	Yes	All crew holding Certificate
3.5 Cook/Food handlers had completed the training for food hygiene course.	Yes	
3.6 The proficiency in Fast Rescue Boats (PFRB) training is to provide for all seafarers who are assigned as coxswain of a fast rescue boat.	Yes	
3.7 Does the crew's onboard working period does not exceed 120 days OR is the crew's contract overdue?	Yes	Not exceed 120 days and within the contract periods.
3.8 Rest period are properly recorded and comply with provisions.	Yes	Refer to Crew rest period.
3.9 Crew is capable to communicate with colleagues, supervision, contractor, other for safely and efficient operation.	Yes	Thai and English
3.10 Crew realize with clarity of roles, accountability, and responsibilities	Yes	Refer to SMS Section 1
3.11 No issue of crew's stress, working morale and working environment onboard.	Yes	Refer to crew medical record
3.12 All crew had been trained the ship's garbage management according to the regulations of Annex V of MARPOL prior to the embarkation onboard. (The garbage collection, processing, storage and disposal, ETC.) Note: The training of ship 's garbage management is valid for 5 years.	Yes	All crews holding a certificate.
3.13 Are both crew and contractors complied with the vessel/unit's drug and alcohol policy and testing regime?	Yes	Refer to drug and alcohol test
3.14 Other		

4.0 Ship Security

ITEMS	Yes/No/NA	Remarks
4.1 Security checks in place for personnel boarding vessel and gangway manned when inspector/visitors arrived. Record is available upon request.	Yes	Refer to visitor /Gangway Log Book
4.2 Vessel has an approved SSP, are security drills carried out at regular intervals.	Yes	

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4.3 SSAS is functional and tested, officers are aware of the function and how to operate it.	Yes	Last tested : 02 Oct 2024
4.4 Ship 's crew familiar with & Security Awareness & Duty.	Yes	
4.5 Ship security officer has been designated and SSO held an appropriated certificate.	Yes	The SSO is Chief Officer
4.6 A citadel has been assigned on board and an equipment is maintained and ready.	Yes	
4.7 Are security drills carried out at regular intervals?	Yes	Last Drill on 29 Sep 2025
4.8 Passenger & crew aware of restricted area and the restricted area have been controlled and clearly marked with signs.	Yes	
4.9 Other		

5.0 Stability

ITEMS	Yes/No/NA	Remarks
5.1 Does the vessel have a class-approved stability information booklet?	Yes	
5.2 Does the vessel operate in accordance with the Stability Booklet?	Yes	
5.3 Are there any stability records available to show the effects of adding or removing loads on the vessel?	Yes	
5.4 Is a competent person available to calculate the vessel's stability?	Yes	
5.5 Are the crew familiar with the stability issues with regards to winches and lifting operations?	Yes	
5.6 Emergency response plan or Guideline for the vessel loss of stability, includes both intact and damage stability scenarios.	Yes	Refer to SMS Manual section: Section#6 Offshore Operations and Specialist Activities
5.7 The ship stability instrument has an accuracy, and the stability program been verified periodically by applying at least one approved test condition in stability booklet.	Yes	Last done: 13 Mar 2025
5.8 The differences between actual and calculated displacements and are records maintained?	Yes	Refer to Vessel Displacement Record
5.9 Other		

6.0 Planned Maintenance System records (PMS)

ITEMS	Yes/No/NA	Remarks
6.1 Is a planned maintenance system (PMS) in place, being followed, demonstrated awareness of defect reporting and is it up to date?	Yes	Refer to SmartPAL

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6.2 Are the main propulsion, main and auxiliary machinery, steering gear fully operational with no reported defects?	Yes	
6.3 Maintenance & Inspection report of Cargo/Bunker flexible hoses is available.	Yes	Monthly inspection
6.4 Usage and Maintenance Logs of Tow Wire & Work wire is available.	Yes	Last rig move on Aug 2025 (Rig T-12)
6.5 The lubricating and hydraulic oil testing program and the analysis results are available as operator procedure.	Yes	Q3/ Waiting for analysis results
6.6 The blackout procedure is available on bridge and engine control room and all officers and engineers fully understand and familiarize with the procedure.	Yes	Available
6.7 All portable electrical equipment used on board is identified in the register and maintained in a satisfactory condition and included in the vessel PMS.	Yes	Refer to SmartPAL .
6.8 Other		

7.0 Navigation and Machinery Equipment (including all critical systems)

ITEMS	Yes/No/NA	Remarks
7.1 Are the navigation lights working?	Yes	
7.2 Are all navigation and communication equipment in good working order?	Yes	
7.3 Is the steering gear in good order? Has emergency steering gear been tested regularly?	Yes	Last Drill: 29 Sep 2025.
7.4 Are machinery emergency stops and shut offs clearly marked and record indicate that they have been regularly tested?	Yes	
7.5 Confirm that all crew members are familiar with emergency power generation arrangements.	Yes	
7.6 Is the Engine Room local Engine control station in good order and are engineers familiar with the procedure for taking control from the bridge in an emergency?	Yes	
7.7 Bollard Pull Test certificate (Certificate is valid within 5 years period)	Yes	BP test date: 02-Sept-2022 in Batam, Indonesia
7.8 Sufficient machinery spare parts, critical spare parts are provided on board and maintain at least a minimum quantity.	Yes	Monthly updated
7.9 The bilge oily water separator (15 PPM) in engine room is maintained in good working order and a functional test is conducted regularly.	Yes	Last tested : 27 Sep 2025
7.10 The nautical publications and charts for the operating area are on board & corrected up to date.	No	New edition of NP 286(4) and NP79 are pending to supply



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7.11 The standing orders has been written by Master as a night order.	Yes	
7.12 The navigation audit has been conducted by Master and/or PIC ashore as operator procedure.	Yes	Last done : 28 Sep 2025
7.13 Is the level of lighting in all areas of the machinery spaces satisfactory and are the lights covered?	Yes	
7.14 Is non-conducting mats provided to the front and rear of medium power (220V to 1000 V) electrical switchboards and is it in a satisfactory condition?	Yes	
7.15 Other		

8.0 Overall Appearance

ITEMS	Yes/No/NA	Remarks
8.1 Are the machinery, engine, generator and the space in which they are sited clean and well maintained?	Yes	
8.2 Are the bilges free from oil? and no bilge water in engine room attach to high level alarm	Yes	Bilge alarm tested : 27 Sep 2025
8.3 Hull is in satisfactory condition.	Yes	
8.4 Weather and working decks in a satisfactory condition which are safe and suitable for the operation to be performed.	Yes	
8.5 Vessel accommodation, galley and toilet/WC facilities are in good & hygienic condition. All crew members are vigilant and maintain the housekeeping standards.	Yes	In good and hygienic condition
8.6 Are fridge, freezer and dry store areas are clean and tidy, being maintained at suitable temperature?	Yes	Daily checked
8.7 Are adequate medical stores including first-aids kit provided?	Yes	
8.8 A real time fuel monitoring system is in good order. (Flowmeter, Pipeline and Seal are in good condition.)	Yes	
8.9 CCTV system is in good order	Yes	Total 12 pcs (5 MP)
8.10 The flow meter for fuel transfer is in good order, and it has been calibrated annually.	Yes	Last calibration date: 17 Apr 2025
8.11 The vessels have a garbage management plan, and the garbage has been handled and disposed in accordance with MARPOL.	Yes	Refer to Garbage Management Plan Ver.04 and PTTEP – Waste Management Procedure
8.12 The cranes, pad eyes, bollards and other securing points clearly marked with their SWL	Yes	
8.13 The mooring closed chocks, fairleads and mooring rollers, bits, bollards are in good condition and free from corrosion/groove.	Yes	
8.14 The mooring ropes are in good condition and suited for operations.	Yes	Fair condition



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8.15 Ship's fixed fenders and tyre fenders included securing chains & pad eyes are in good condition.	No	Observed at port stern found 1 tyre fender chain missing and 2 tyre fenders need to replace new chain and shackles.
8.16 Other	No	Observed loadline mark and forward midship and aft draft marks were faded.

9.0 Cargo Operations

ITEMS	Yes/No/NA	Remarks
9.1 Bridge Team is aware of industry guidelines for Safe Packing & Handling of Cargo to/from Offshore Locations.	Yes	
9.2 Cargo-handling gear in good condition.	Yes	
9.3 Pennants, shackles etc. are in good condition, provided with valid certificates.	Yes	Last MPI for shackles : 19 Aug 2025
9.4 Cargo Securing Manual is available on board.	Yes	
9.5 Sufficient cargo securing equipment is available on board.	Yes	
9.6 Hose connections and coupling color codes compatible with Installation Data Card and Guidelines for Offshore Marine Operations, GOMO (Hard Copy) are available on board.	Yes	GOMO with soft copy
9.7 Cargo transfer equipment is in operative condition.	Yes	
9.8 (a) Cargo and bunkering flexible hoses are in good condition and an annual hydrostatic pressure test is conducted and provided with test certificates.	Yes	Last annual pressure test; Fuel hose : 19 Aug 2025 OBM hose : 08 Sep 2025 Base Oil hose : 20 Sep 2025 FW & Dry bulk hose : 02 Sep 2025
9.8 (b) The replacement of bunkering hose to be done as following criteria: - Every 2 years (Max. working pressure at 150 PSI) - Every 3 years (Working pressure is greater than 150 PSI)	Yes	Manufacturer Cert, Fuel hose : 23 Aug 2024 OBM hose : 20 Aug 2024 Base Oil hose : 30 Sep 2024
9.9 Dangerous Goods (DG) cargo handling certificate & procedure are available on board	Yes	IMDG cert: issued 02-Sep-2022
9.10 Cargoes manifest on board to ensure that cargo loading & offload correctly especially waste cargoes.	Yes	
9.11 Is there evidence of a pre-transfer checklist being carried out by vessel before the transfer of Bulk Liquids begins?	Yes	
9.12 Have a formal risk assessment & toolbox meeting been completed for all cargo operations at offshore?	Yes	



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9.13 Are the emergency stops for bulk transfer pumps tested and are records available?	Yes	
9.14 Other		

10.0 Towing & Anchor Handling

ITEMS	Yes/No/NA	Remarks
10.1 Sufficient shackles, split pins and lead plugs are provided on board.	Yes	
10.2 Welding and burning equipment are provided on board.	Yes	Acetylene 2 bottles & Oxygen 4 bottles
10.3 (a) Tow wires, work wires and tugger wires are provided with valid certificates with suitable size & length.	Yes	
10.3 (b) The Tow wire and Work wire are complied with the maintenance and reject criteria as following: <u>At 2.5 years</u> <u>Work wire, end for end the wire and re-sockets the end termination.</u> <u>At 5 years</u> <u>Work wire, remove from service and replace by a new wire. Tow wire, end for end the wire and cut off the end termination about 5-10 meter back from the socket and determine the reduction in diameter due to corrosion or wear, compare with the allowable criteria then undergo the tensile/destructive testing (DT) to determine the Minimum Breaking Load (MBL) of wires. (Including the replacement of wire socket)</u> <u>At 10 years</u> <u>Tow wire, it shall be removed the wire from service if the amount of use is at 10 years period unless visual or other examination indicates that the wire should be discarded before the expiry of this period.</u> <u>Note:</u> <u>1) The tensile/destructive testing result verified an adequate strength to satisfy the requirements of minimum breaking load (MBL) as IMO guidelines according to vessel 's bollard pull.</u> <u>- Bollard Pull (40-90 BP), MBL = (3.8-BP/50) * BP</u> <u>- Bollard Pull greater than 90 BP, MBL = 2 * BP</u> <u>(All numbers in tonnes)</u> <u>2) A service life of spare tow wire has been limited at 8 years after installation in service.</u>	Towing wire: 1200 m. SWL: 2410 kN. Date of Cert. : 18-Dec-2023 (Installed : Jan 2024) Spare Towing wire: 1200 m. SWL: 2410kN. Date of Cert. : 18-Dec-2023 Work wire : 150m SWL: 301 kN. Date of Cert. : 18-Dec-2023 (Installed : Jan 2024)	
10.4 Bridge team members are fully familiar with the location and operation of winch emergency release operation and controls. Instructions clearly labelled at nearby location.	Yes	
10.5 Spooling gear fitted and in good condition.	Yes	For tow wire only



Marine Vessel Audit Checklist

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10.6 Shark jaw/karm fork & Towing pins are in operative condition	Yes	Shark Jaw
10.7 Mechanical stoppers are in operative condition, properly set for rig equipment size.	Yes	
10.8 Chain chaser and grapnel are in good condition.	Yes	Grapnel (SWL) : 150 T. Chain chaser (SWL) : 150 T.
10.9 Vessel specific Anchor Handling manual is available onboard, sighted and up to date.	Yes	
10.10 Is a suitable sea anchor/ship anchor available?	Yes	
10.11 Sufficient number of mooring/towing lines are provided and in good condition.	Yes	Towing stretcher 2 sets
10.12 Vessel have a tension and length gauges to monitor bollard pull and paid out length on towing and anchor handling wires and it is calibrated annually.	Yes	Last calibrated: 19 Aug 2025
10.13 All towing gear, anchor handling shackles and connecting links shall be subject to Magnetic Particle Inspection (MPI) / Non-destructive testing (NDT) annually. This is to ensure that there are no internal cracks or flaws affecting integrity of these connecting links.	Yes	Last MPI for Gog chain & Pad eye : 19 Aug 2025
10.14 Are the anchor handling & towing winches and hydraulic power units clean, satisfactory and free from obvious leaks?	Yes	
10.15 Other		

11.0 Dynamic Positioning

ITEMS	Yes/No/NA	Remarks
11.1 Confirm that Bridge Team are aware of IMCA M182 Guidelines for the Safe Operation of DP Offshore Supply Vessels	NA	
11.2 Confirm that training and experience of key DP personnel meets industry standards.	NA	
11.3 Is the DP system, includes DP printers, PRS, Operating Stations and joystick in good order? DP incidents, Logbook, Capability plots to be reviewed.	NA	
11.4 Does the vessel have a valid copy of most recent annual DP trial & FMEA Proving Trial?	NA	
11.5 Are all Category A & B recommendations of DP trail closed?	NA	
11.6 Is Activity Specific Operating Guidelines (ASOG) or WSOG (MODU) limit setting agreement in place for current or intended operations?	NA	
11.7 Are vessel specific DP Field Arrival, Bridge 500m, E/R set up and DP handover checklists available and completed?	NA	

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Marine Vessel Audit Checklist

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11.8 Is the DP control system included within the Planned Maintenance System?	NA	
11.9 Other		

12.0 Catering & Housekeeping (For PSV & Accommodation Vessel)

ITEMS	Yes/No/NA	COMMENT
<i>Hygiene of Provision rooms and Galley Equipment:</i>		
12.1 Are provision rooms and equipment in good condition and well maintained?	NA	
12.2 Are provision rooms clean and tidy and do staff clean as they go including difficult areas?	NA	
12.3 Is galley equipment cleaned and kept in a clean condition?	NA	
12.4 Are all food and hand contact surfaces e.g. work surfaces, slicers, fridge handles, food probe, in good condition and cleaned/ disinfected regularly?	NA	
12.5 Are suitable cleaning chemicals available and stored correctly and are proper cleaning methods used?	NA	
12.6 Are cleaning cloths suitable for use and regularly cleaned and disinfected and used properly?	NA	
12.7 Are the cut resistant gloves and color chopping boards available?	NA	
<i>Food Storage:</i>		
12.8 Is ready-to-eat food stored above/ separate from raw food in the fridges and freezers?	NA	
12.9 Is food in fridges/freezers covered?	NA	
12.10 Are high risk foods date coded, date codes checked, stock rotated and managed FIFO food storage?	NA	
12.11 Are dried goods stored correctly e.g. in suitable room, off the floor, in covered containers?	NA	
<i>Personal Hygiene:</i>		
12.12 Are staffs fit to work, wearing clean, suitable protective clothing and following personal hygiene rules particularly hand washing?	NA	
12.13 Are wash hand basins clean with hot water, soap and hygienic hand drying facilities?	NA	
12.14 Are wash hand basins used for hand washing only and used regularly by staff?	NA	
12.15 Is portable water quality tested on quarterly basis?	NA	If drinking water from the water dispenser/cooler & Ice maker (Last analysis)
12.16 Is any discoloration and/or sediment of water found?	NA	
<i>Pest Control:</i>		

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12.17 Are premises pest proofed and free from any signs of pests?	NA
12.18 Are insectocutors (if provided) in working order and sufficient spare light?	NA
12.19 Is food properly protected from risk of contamination by pests?	NA
Waste Control:	
12.20 Is waste in food rooms stored correctly?	NA
12.21 Is food waste stored correctly outside and is the refuse area kept clean?	NA
12.22 Is unfit food clearly labeled and stored separately from other foods?	NA
12.23 Is the food waste disposer (Grinder) working in order? (If applicable when ships alongside or within 500 m of such platforms/installations)	NA

13. Accommodation Management (For PSV & Accommodation Vessel)

ITEMS	Yes/No/NA	COMMENT
Living Parts:		
13.1 Are the bed-rooms clean, tidy and well light and toilets clean and dry?	NA	
13.2 Are the sheets and pillowcases changed regularly?	NA	
13.3 Are floors, walls and ceiling tiles generally in good condition?	NA	
13.4 Are emergency lights in proper working order?	NA	
13.5 Are emergency exits properly marked?	NA	
13.6 Are general alarm and public announced loud and clear?	NA	
Recreation and Auditorium:		
13.7 Are the recreation rooms and auditorium room clean and tidy?	NA	
Changing Room and Locker:		
13.8 Are changing room and locker clean and tidy?	NA	
13.9 Are all toilet facilities cleaned properly and in good condition?	NA	
Laundry Room:		
13.10 Is the laundry room clean and in good condition?	NA	
13.11 Are all washing machines and dryers in proper working order?	NA	

Marine Vessel Audit Checklist



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13.12 Has laundryman always wear mask?	NA
--	----

Note: The definition (Yes/No/NA)




- Yes : Mean Compliance (Good Condition or No observation)
- No : Mean Non Compliance (Poor Condition or found observation)
- NA : Mean Not applicable

14.0 Summary of Findings:

Finding / Deficiency Item	Photo	Severity (Major, Minor, Observation, OFI, Good Practice)
1) New edition of NP 286(4) and NP79 are pending to supply.		Observation
2) Observed at port stern found 1 tyre fender chain missing and 2 tyre fenders need to replace new chain and shackles. To rectify before back to offshore operations.		Minor

Marine Vessel Audit Checklist

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<p>3) Observed loadline mark and forward midship and aft draft marks were faded.</p> <p>★ To rectify before back to offshore operations.</p>	  	<p>Minor</p>
--	---	--------------

<p>Score Grading</p> <p>A (Very Good) - No finding</p> <p>B (Good) - No more than 5 deficiencies in total, ≤ 2 major deficiencies may be presented</p> <p>C (Fair) - No more than 15 deficiencies in total, ≤ 5 major deficiencies may be presented</p> <p>D (Marginal) - No more than 30 deficiencies in total, ≤ 10 major deficiencies may be presented</p> <p>F (Unacceptable) - More than 30 deficiencies in total or more than 10 major deficiencies and serious risks issues were identified.</p>	<p>B</p>
--	-----------------

Note :

Marine Vessel Audit Checklist

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15.0 Severity Rating of Findings

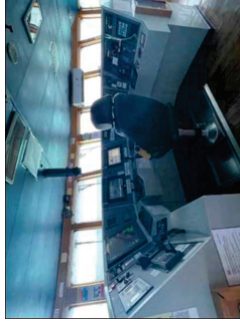
Identifier	Severity	Definition
High	Major Finding	<p>1.Any identifiable deviation that poses a serious threat to the safety of personnel or the ship or a serious risk to the environment that requires immediate corrective action and includes the lack of effective and systematic implementation of ISM Code.</p> <p>2.A non-fulfilment of any regulatory (IMO, Flag State & Classification/Structural) requirements.</p> <p>3.Non-Compliance is considered INTOLERABLE/UNSEAWORTHINESS and would result in the stopping of operations. <u>Rectification is immediately required prior to continued offshore operation or leaving from shore.</u></p>
Medium	Minor Finding	<p>1.A medium finding is considered INTOLERABLE, but mitigations must be applied, and continued operations monitored to ensure the risk mitigations are suitable and effective. Rectification should be made within 36 days or the next port call or opportunity or sooner if deemed to be necessary.</p>
Low	Observation	<p>1.A potential of non-compliance for regulatory, classification/structural requirements.</p> <p>2.A low finding has no major impact at the process level, but its correction will assure greater effectiveness/efficiency in the processes concerned. <u>Rectification should be made within 90 days, or sooner if deemed to be necessary.</u></p>
OFI	Opportunity for improvement	<p>Where a specific area has been noted that would offer improvement to the operating systems or safe practice that is not included in the standards provided. Response to be provided within 90 days.</p>
Observed Good Practice		<p>Areas that are noted during the audit/inspection that are seen as positive actions or practices by the contractor/service provider.</p>

Marine Vessel Audit Checklist

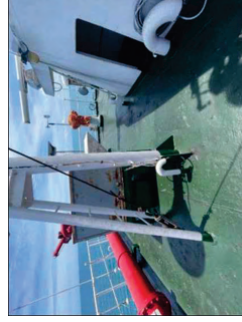
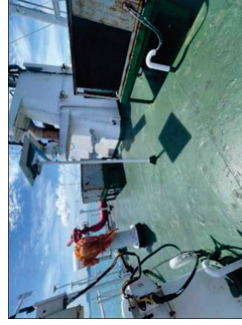
16

Vessel General Photo

Navigation Bridge



Compass Deck



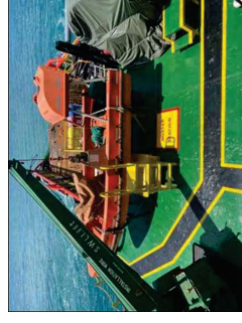
Marine Vessel Audit Checklist

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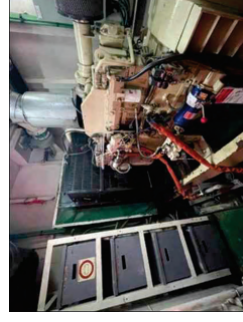
Second Deck



FRC Deck



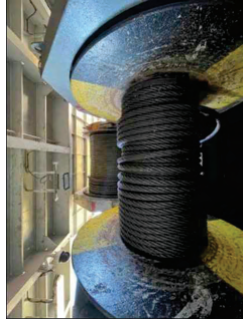
Emergency Generator Room



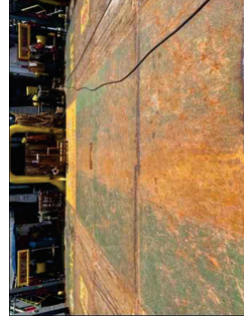
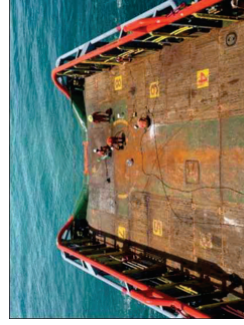
Marine Vessel Audit Checklist

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Winch Area



Main Deck



Marine Vessel Audit Checklist

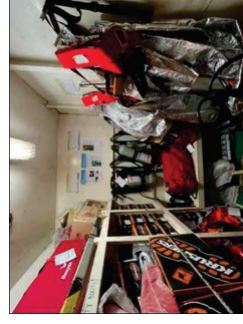
19



Cargo Manifold (Port & STBD)



Safety Locker & Deck Store



Marine Vessel Audit Checklist

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Engine Control Room



Engine Room Main deck



Marine Vessel Audit Checklist

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Engine Room Tank Farm



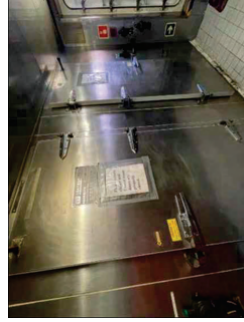
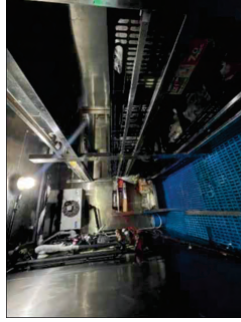
Mess Room



Marine Vessel Audit Checklist

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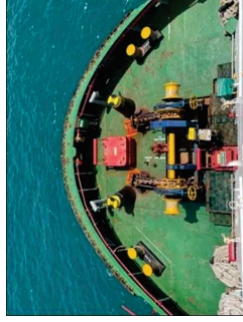
Galley Room and Stores



Marine Vessel Audit Checklist

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F'Cle Deck





Monthly HSE Feedback

September - 2025



Bourbon Offshore Asia

12 months Rolling – LTIR & TRIR
October 2024 – September 2025

HSE STATISTICS



Sheet 1/3 - Incident Report form

Report number: 347/NMIS/2025/IV2

A. General information

Incident date (DD/MM/YYYY)	21/05/2025	Time incident occurred	13:25	Type of incident	Near miss	Reporting Organization	Bourbon Offshore Asia (BOA)
Client/Charterer	PTTEP	Region	South East Asia (SEA)	Country	Thailand	Ship Management Organization	Bourbon Offshore Asia (BOA)
Operations base	Songkhla	Vessel	Bourbon Tongkam	Vessel type	Anchor Handling Tug Supply Vessel (AHTS)	Contracting Organization	Bourbon Offshore Asia (BOA)

B. Weather conditions

Sea/swell (height and direction)	Calm	Current (rate and direction)	0 - 1 knots
Wind (speed and direction)	Bow 0 - 10 knots	Visibility	Bow Fair

C. Person completing report at location

Full name	Organization	Job title
	Bourbon Offshore Asia (BOA)	2nd Officer

D. Witnesses

Full name	Organization	Job title
	Bourbon Offshore Asia (BOA)	Master/Pilot
	Bourbon Offshore Asia (BOA)	Chief Officer

E. Incident details

Injury/illness	Organization	Job title
Injured Person (IP) full name		
Type of injury/illness	Body part harmed	Task/activity at time of incident
Injury/illness caused by	Preliminary classification/severity	Was Client advised of incident by Contracts Manager?

Was first aid given to injured person?	No	Was injured person seen by a rig medic?	No
Was a drug and alcohol test conducted?	No	Was injured person evacuated?	No
Was injured person repatriated?	No		

Environmental damage: spill

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Sheet 1/3 - Incident Report form

Report number: 347/NMIS/2025/IV2

Type of product spilled	Task/activity at time of incident	Location at time of incident
Spill caused by	Preliminary classification/severity	Was Client advised of incident by Contracts Manager?

Asset damage/collision	Task/activity at time of incident	Location at time of incident
Type of damage/collision		
Damage/collision caused by	Preliminary classification/severity	Was Client advised of incident by Contracts Manager?

Near miss	Task/activity at time of incident	Location at time of incident
Type of potential injury/damage/collision		
Fire/explosion/flash/spark		
Location at time of incident	Near miss caused by	
Accommodation		
Potential injury/illness classification	Potential environmental damage classification	Potential asset damage/collision classification
Potential severity	Potential risk	Was Client advised of near miss?
1	LOW	

Description of events before the incident (date and timeline)

21/05/2025 @ 1320 Hrs. While Tr.CO was carried out routine weekly inspection of AED (ZOLL AED PLUS)

Description of the incident (date and timeline)

21/05/2025 @ 1325 Hrs. Tr.CO open the cover of AED battery and then found burn marks from exploded itself battery (DURACELL ULTRA LITHIUM 3 V.). Tr.CO immediately informed to Chief Officer who is OOW on the bridge and inform to the Master.

Description of events after the incident (date and timeline) and immediate corrective actions

21/05/2025 @ 1330 Hrs. Master call electrician to inspect of AED and AED battery found Battery (DURACELL ULTRA LITHIUM 3 V.) still valid but the voltage is out of order. AED set is malfunction

Date report sent to Operations Manager/Contracts Manager/Organization (DD/MM/YYYY)

22/05/2025

Statement of Fact
BML-S1-FRM.1336



A. Personal details of person providing this statement			
FAMILY Name: [REDACTED]	Given Name: [REDACTED]	Nationality: [REDACTED]	
Date of Birth: [REDACTED]	Job Title: C/O	Company: BOA	
Date joined company: [REDACTED]	Which Vessel / Shore Base / Office are you assigned to? Bourbon Tong Kam		
State your location at the time of the incident: Bridge			

B. Statement Details			
This Statement relates to the following incident		AED Battery explosion.	
Date and time of the incident	Date (dd mm yy): 21/05/2025	Time (24-hour notation): 13:20 hrs	

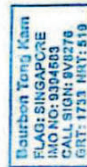
C. Statement (Please describe what you observed relating to this incident - keep to facts, do not guess, assume or speculate)

During vessel underway to field (Rig T-18)
21/05/2025 @ 1320 Hrs. While Tr.CO was carried out routine weekly inspection of AED (ZOLL AED PLUS).
21/05/2025 @ 1325 Hrs. Tr.CO open the cover of AED battery (DURACELL ULTRA LITHIUM 3 V) and then found burn marks from exploded itself battery. Tr.CO immediately informed to Chief Officer who is OOW on the bridge and inform to the Master.
21/05/2025 @ 1330 Hrs. Master call electrician to inspect of AED and AED battery found Battery (DURACELL ULTRA LITHIUM 3 V) still valid but the voltage is out of order. AED set is malfunction.



D. Persons witnessing the described events			
Job Title:	FAMILY / Given Name:	Date (dd mm yy):	Sig: [REDACTED] copy:
Master	[REDACTED]	21/05/2025	[REDACTED]
Tr. CO	FAMILY / Given Name:	Date (dd mm yy):	Sig: [REDACTED] copy:
	[REDACTED]	21/05/2025	[REDACTED]
Chief Engineer	FAMILY / Given Name:	Date (dd mm yy):	Sig: [REDACTED] copy:
	[REDACTED]	21/05/2025	[REDACTED]
Electrician	FAMILY / Given Name:	Date (dd mm yy):	Sig: [REDACTED] copy:
	[REDACTED]	21/05/2025	[REDACTED]

E. Person completing this statement			
Job Title:	FAMILY / Given Name:	Date (dd mm yy):	Signature (Handwritten): [REDACTED]
C/O	[REDACTED]	21/05/2025	

Once this form is completed, it shall be scanned and saved electronically (e-record).



MEDICAL LOG

MEDICAL LOG				
SS./M.V. <u>BOULBON TOVE KAM</u>		Quarter Beginning <u>01st AUG</u> 20 <u>25</u> Ending <u>31st AUG</u> 20 <u>25</u>		
DATE	NAME	RATING	DESCRIPTION OF CASE	TREATMENT GIVEN
<u>2/02</u>		<u>A/B</u>	<u>HAVE A TOOTHACHE</u>	<u>IBUPROFEN 400 MG TABLETS</u> <u>10 S.</u> <u>CLOVE OIL. 1 BOTT</u>
<div>Complete in Duplicate</div> <div> MASTER</div>				

Vessel Name	BOURBON TONG KAM	
Person Compiling Register	/ Chief Officer	

Date of Issue	31-Jan-25
Date Last Updated	30-Sep-25

* All hazardous substances/dangerous goods must have an up to date Safety Data Sheet no more than five years old. The Safety Data Sheet must state whether the product is hazardous and, in case of dangerous goods, provide the proper shipping name, UN number, class label, and subsidiary risk.											
Product Name (Chemical Name and Commercial Name)	Manufacturer	Location of Process where Product Stored or Used	Quantity (specify unit)	Who likely to be exposed	Level of Exposure	Is the label on the container intact?	Hazardous / Dangerous Goods	Safety Data Sheet			Remarks
								Available	Date of Issue	Date New SDS Required	
METAL BRITE 505 (Rust Remover)	FALCHEM INTERNATIONAL	Chemical Locker	3 X 25 Ltr	NO	Exposure controls/Personal protection	Yes	Yes	Yes	01-Jan-24	30-Dec-28	Deck Department
ENERPOL Multipurpose Liquid Detergent	FALCHEM INTERNATIONAL	Chemical Locker	2 X 18 Ltr	NO	Exposure controls/Personal protection	Yes	Yes	Yes	01-Jan-24	30-Dec-28	Deck Department
HEAVY DUTY LIQUID LANOLIN	LANOTEC	Chemical Locker	1 X 20 Ltr	NO	Exposure controls/Personal protection	Yes	Yes	Yes	23-Sep-22	22-Sep-27	Deck Department
3% Aqueous Film Forming Foam	FOMTEC	Chemical Locker	1 X 20 Ltr	NO	Exposure controls/Personal protection	Yes	Yes	Yes	17-Nov-23	15-Nov-28	Deck Department
SODIUM HYPOCHLORITE	ABLE WESTCHEM	Chemical Locker	3 X 25 Ltr	NO	Exposure controls/Personal protection	Yes	Yes	Yes	12-May-24	11-May-29	Deck Department
EPONA Z-220	TOTAL LUBMARINE	Chemical Locker	1 X 20 Ltr	NO	Exposure controls/Personal protection	Yes	Yes	Yes	12-Mar-23	10-Mar-28	Engine Department
BRIGHTENER MB 27	KOYA	Chemical Locker	1 X 25 Ltr	NO	Exposure controls/Personal protection	Yes	Yes	Yes	27-Feb-24	25-Feb-29	Deck Department
Concentrated All Purpose Industrial Cleaner	OILER-1	Chemical Locker	1 X 18 Ltr	NO	Exposure controls/Personal protection	Yes	Yes	Yes	01-Feb-22	31-Jan-27	Deck Department
FLOOR STRIPPER	3M	Chemical Locker	1 X 18 Ltr	NO	Exposure controls/Personal protection	Yes	Yes	Yes	19-Nov-24	18-Nov-29	Deck Department
MOBILGREASE XHP222	MOBIL	Chemical Locker	1 X 18 Ltr	NO	Exposure controls/Personal protection	Yes	Yes	Yes	06-Oct-21	05-Oct-26	Deck Department
USHA WRL-60	USHA LUBES PRIVATE LIMITED	Chemical Locker	2 X 18 Ltr	NO	Exposure controls/Personal protection	Yes	Yes	Yes	11-Apr-24	10-Apr-29	Deck Department
BIOGUARD	UNITOR	Dry Bulk Locker # 2	1 X 20 Ltr	NO	Exposure controls/Personal protection	Yes	Yes	Yes	03-Mar-24	02-Mar-29	Engine Department
COOLTREAT AL	NALFLEET	Dry Bulk Locker # 2	7 X 20 Ltr	NO	Exposure controls/Personal protection	Yes	Yes	Yes	06-Feb-23	05-Feb-28	Engine Department
BK-1020	STARCHEM	Dry Bulk Locker # 2	1 X 20 Ltr	NO	Exposure controls/Personal protection	Yes	Yes	Yes	01-Jan-24	30-Dec-28	Engine Department
RACOR NB LIQUID	NALFLEET	Dry Bulk Locker # 2	4 X 20 Ltr	NO	Exposure controls/Personal protection	Yes	Yes	Yes	10-Apr-24	09-Apr-29	Engine Department
GAMAZYME 700 FN	UNITOR	Dry Bulk Locker # 2	1 X 20 Ltr	NO	Exposure controls/Personal protection	Yes	Yes	Yes	20-Jun-24	19-Jun-29	Engine Department
CORENA D68	SHELL	Dry Bulk Locker # 1	1 X 20 Ltr	NO	Exposure controls/Personal protection	Yes	Yes	Yes	08-Aug-24	07-Aug-29	Engine Department
EPONA Z-150	TOTAL LUBMARINE	Dry Bulk Locker # 1	11 X 20 Ltr	NO	Exposure controls/Personal protection	Yes	Yes	Yes	03-Dec-24	02-Dec-29	Engine Department
VISGA 32	TOTAL LUBMARINE	Dry Bulk Locker # 1	2 X 20 Ltr	NO	Exposure controls/Personal protection	Yes	Yes	Yes	04-Dec-24	03-Dec-29	Engine Department
EPONA Z-68	TOTAL LUBMARINE	Dry Bulk Locker # 1	1 X 20 Ltr	NO	Exposure controls/Personal protection	Yes	Yes	Yes	07-Dec-23	05-Dec-28	Engine Department
CORENA AS 46	SHELL	Dry Bulk Locker # 1	1 X 20 Ltr	NO	Exposure controls/Personal protection	Yes	Yes	Yes	28-Feb-23	27-Feb-28	Engine Department

Vessel Name : BOURBON TONG KAM

Item Category : CONSUMABLES

Item Section: OIL, PAINTS AND GASOIL

Item Sub Section: OIL & GREASE

Critical Items

S.No.	Item Section	Item Subsection	Part Number	Description	Plate/Drawing Number	Storage Location	UOM	Critical	Standard Price	New Stock	Reconditioned Stock	ROB	Stock Amount(USD)	Max. Stock	Min. stock	Reorder Level	Reorder Quantity	Item Code	Stock Taken Date	Pending Requisitions	Pending PO(s)
1	Oil, Paints and Gasoil	Oil & grease	NA	LUB OIL SHELL CORENA D68 - PER LITER || Oil & grease || Group 09 - Oil for Air Compressor		Aft Farm Room	PCE	N		115.00			115.00					STORE.007157.P	09-Oct-2015		
2	Oil, Paints and Gasoil	Oil & grease	NA	SHELL RIMULA R4 15W-40 - PER LITER || Oil & grease || Group 09 - Multigrade Oil for Engine		Engine Room > Engine room Lube Oil Store Tank port side	PCE	N		21.00			21.00					STORE.012926.P	17-Jan-2025		
3	Oil, Paints and Gasoil	Oil & grease	N/A	SHELL RIMULA R4 X 15W-40 - PER LITER || Oil & grease || Group 09 - Multigrade Oil for Engine		> DG Lube Oil Storage Tank (Port side)	PCE	N		16.00			16.00					STORE.014901.P	23-Nov-2025	4179	
4	Oil, Paints and Gasoil	Oil & grease	N/A	LUBE OIL ANALYSIS BY SGS LABORATORY || Oil & grease || Group 09 - Analysis Material for Oil		ECR Room	PCE	N		1.00			1.00					STORE.015119.P	08-May-2025	8	
5	Oil, Paints and Gasoil	Oil & grease	N/A	INTERTEC LUBE OIL ANALYSIS || Oil & grease || Group 09 - Analysis Material for Oil		Chemical room	PCE	N		1.00			1.00					STORE.022994.P	15-Oct-2025		

Vessel Name: Bourbon Tong Kam

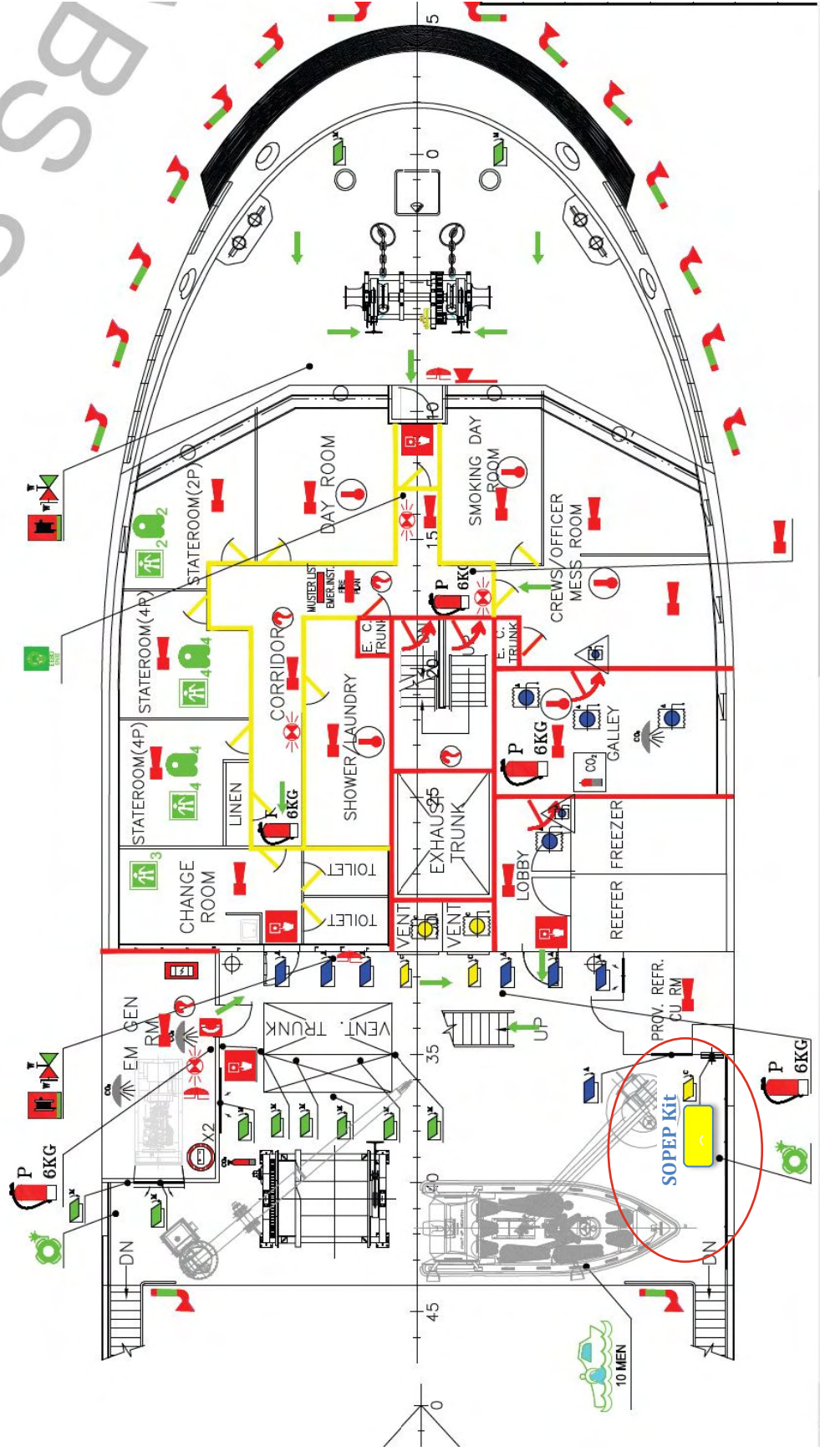
Port of Registry: Singapore

Year: 2025

S. No	SOPEP Items	Quantity	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec
1	Rubber Shoes	7 pair	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Rubber Gloves = Short = 2 pcs, Long = 5 pcs = 7	5 pairs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Absorbent Sheet	90 Sheet	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Shovel	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Spray Dispersant tank	18L, 14 = 2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Goggle	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Chemical Suit	8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	Oil Dispersant Chemical	18L	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	Saw Dust	2 Bag	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	Cotton Rags	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	Plastic Bags	2 pack / 2 kg	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	Dustpan	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	Scupper Plugs	6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	Bucket	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Date / Rank / Initial			15.01.25	25/01/25	31/03/25	31/03/25	23/05	24/06	14/07	16/08	22/09	29/09		

last updated on
16 AUGUST 2025

Tong Kam
PLA6: SINGAPORE
IMO NO: 9304583
CALL SIGN: 9V8276
GRT: 1733 NRT: 519



ภาคผนวกแทนเจาะะ

ภาคผนวกแท่นเจาะ-1

ข้อกำหนดและนโยบายต่าง ๆ ของแท่นเจาะ



Spill Response Plan

(SHELF DRILLING ENTERPRISE)

In the event that an environmental spill is discovered,
the following actions should be taken:

Initial Actions

- In case of a spill call Radio Room by **6400**, or number **6401**
- ROTC to inform OIM, Marine Planner, Company Man
- OIM and Marine Planner to direct Spill Response Team to muster station
- Spill Response Team to go to muster station to wear full spill response PPE
- ROTC to call RM to inform him of spill incident
- Spill team members to barrier area by caution tape
- Fully contain spill using oil boom
- Start recovering spill using oil pads
- Place all contaminated oil boom and oil pads in Hazard liner bag
- Use deck cleaning solvent to clean deck from residual oil
- Recover solvent using oil pads
- All contaminated materials to be disposed in hazard liner bag

Post Spill Actions

- Dispose all PPE used in hazard liner bag
- Dispose hazard liner bag in Hazardous Waste skip
- Spill response team inform OIM and MP that spill is under control
- ROTC to inform RM spill is under control
- OSA to report LOC (Loss of Containment) in Dashboard
- Marine Planner to order replacement for spill recovery material used

**EMERGENCY CONTACT: RADIO ROOM
NUMBER: 6400 or 6401**

Rev 06

Date: Nov 1, 2020

Form No: COR-HSE-RE-02 FM 3.5

Make sure you fully understand the procedures for dealing with spills



Spill Response Team

Spill Response Team Leaders

Crew A	Crew B	Crew C	Crew D
• MARINE PLANNER	• MARINE PLANNER	• MARINE PLANNER	• MARINE PLANNER

Spill Response Team Members

Crew A	Crew B	Crew C	Crew D
<ul style="list-style-type: none"> • DECKPUSHER • CRANE OPERATORS • ROUSTABOUTS 	<ul style="list-style-type: none"> • DECKPUSHER • CRANE OPERATORS • ROUSTABOUTS 	<ul style="list-style-type: none"> • DECKPUSHER • CRANE OPERATORS • ROUSTABOUTS 	<ul style="list-style-type: none"> • DECKPUSHER • CRANE OPERATORS • ROUSTABOUTS

Rev 06

Date: Nov 1, 2020

Form No: COR-HSE-RE-02 FM 3.5

LOCATION LIST:

EXTERNAL AREAS

- HELIDECK
- RIG FLOOR
- PORT BULK LOADING / PORT HAZARDOUS STORAGE
- MUD PROCESS (SHAKERS)

HULL AREAS

- SACKSTORE
- MUD PUMP ROOM
- ENGINE ROOM

CENTRAL SPILL LOCKER

- PORT FORWARD NEAR RESCUE LOCKER

ALL DRAINS ARE DIRECTED TO A DESIGNATED HOLDING TANK

CENTRAL SPILL LOCKER

OIL SPILL KIT

CHEMICAL SPILL KIT

ENVIRONMENTAL SPILL KIT ARRANGEMENT

Emergency Contact: Radio Room

Emergency Number: **6400 or 6401**

Make sure you fully understand the procedures for dealing with spills

01	00				
ISS	REV	CREATED BY	DATE	CKD	CUST

SD ENTERPRISE

MAIN DECK, RIG FLOOR, HELIDECK & MACHINERY SPACE

SCALE	DOCUMENT NUMBER	SIZE
N/A	COR-HSE-RE-01 FM 4.05.1	A3

OIL SPILL RESPONSE KIT		
Item	Packing list	QTY
1	SPILL KIT -OIL ONLY	
2	PAD-OO-6 (Absorbents pad)	1 Pack(100 EA)
3	Spill Pillow 25x35x3 cms.	4 pcs
4	Spill Sock 3x4 ft.	6 pcs
5	Waste bags	4 pcs
6	Disposable coveralls	2 pcs
7	Chemical gloves	2 pcs
8	Goggles	2 pcs
9	Degreaser T10	1 Gallon (5 Ltr.)

1 POLICY

A system must be in place to manage waste.

2 PURPOSE

The purpose of this policy is to control the handling, discharge and disposal of waste in compliance with applicable local and international legislation.

3 SCOPE

This policy applies to Company installations and facilities.

4 REQUIREMENTS

4.1 General

All personnel must be advised regarding proper waste segregation and disposal at the location.

Wastes must be segregated to the best extent possible. E-waste (refer to definition in section 6.4) must be collected in a separate container.

Each installation must carry a Waste Segregation Plan based upon the Country Waste Management Plan.

4.1.1 Waste Storage Areas

Waste storage areas must be checked each tour to ensure that wastes are being segregated and disposed of correctly.

Hazardous waste is any waste that is flammable, explosive, toxic, corrosive, irritant, carcinogenic or biohazardous.

Hazardous waste must be clearly segregated from the non-hazardous waste. A designated hazardous waste area must be clearly marked and contain only hazardous waste.

4.1.2 Waste Containers

Waste containers must be checked each tour for the following:

- Good and working condition.
- Clearly marked and distinguishable.
- Available to receive waste as it is generated.
- Located in suitable spaces throughout the location.
- Fitted with nets, when required.

4.1.3 Disposal Documentation

A copy of the waste manifest accompanying the Company's waste and a certificate of destruction must be received from the waste disposal company and kept on board the installation indefinitely.

If the customer is handling disposal of wastes, then a copy of the waste manifest and certificates of destruction should be obtained from the customer, where possible, and retained on board the installation indefinitely.

4.2 Waste Minimization

Each location must assess waste and take appropriate actions to minimize or eliminate waste.

Several options exist for the minimization of waste. They can be organized in a hierarchy with Eliminate as the best option and Dispose as the least desirable option.

- **Eliminate** – Changing what is purchased or how materials are purchased to eliminate waste. Ideally by removing the need for the product to be purchased at all.
- **Reduce** – Purchasing materials in larger pack sizes or with less packaging. Purchasing longer-life consumables to reduce waste. Introducing efficiencies which require less of the product to be purchased.
- **Re-Use** – Making secondary use of items such as packaging materials, eliminating the need for purchase of new materials for the secondary purpose. (Items that are re-used and then recycled further compound the benefits).
- **Recycle** – Collecting and separating products for recycling; reduces the environmental burden by diverting old products from landfills and displacing the need for raw materials in new product manufacturing.
- **Dispose** – Wastes for which none of the above options are appropriate must be disposed of according to local regulatory requirements. Even if no local regulatory requirements exist, the waste must be disposed of in an environmentally responsible manner.

4.3 Record Keeping

All waste generated by Shelf Drilling and its Third Parties must be recorded in the Waste case in Dashboard regardless of whether the installation is on location or in shipyard. Waste generated by the Customer and its Third Parties must not be recorded in Dashboard.

Note: International legislation applicable to waste can be found in the International Register of Legislation and Other Requirements on the HSE website. Local legislation applicable to waste can be found in the Country Environmental Guidance Document for the country where the installation is operating.

4.3.1 Garbage Record Book

Each installation must maintain a handwritten Garbage Record Book, unless a waiver from Flag has been obtained. Garbage Record Book must be obtained from Flag or Coastal State. E-waste must be logged in the garbage record book.

5 RESPONSIBILITY

5.1 Crane Operator

- Ensure waste storage areas are being maintained.

5.2 Marine Planner

- Maintain the Garbage Record Book as required by the Flag State.

5.3 OIM

- Ensure all personnel are advised regarding proper waste segregation and disposal.
- Develop Installation Waste Segregation Plan.

5.4 HSE Manager

- Ensure each installation maintains the Waste case in Dashboard, regardless of whether installation is on location or in shipyard.
- Develop Country Waste Management Plan.

6 DOCUMENTATION

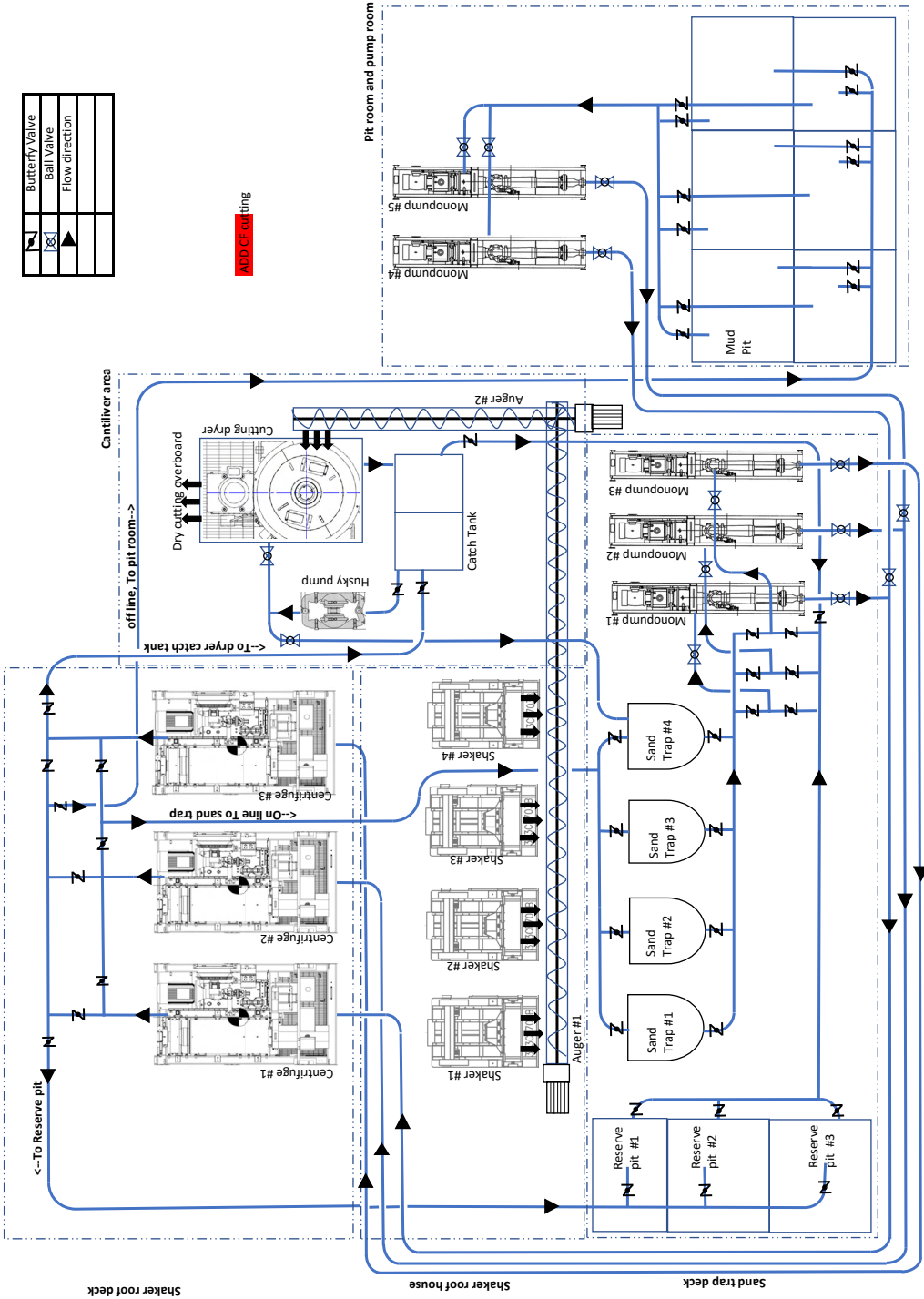
The forms and templates indicated below are included in SharePoint intranet and have been developed by Corporate HSE and are a requirement of this policy. Forward any suggested improvements to this form via the Smart Feedback Process, smart.feedback@shelfdrilling.com.

- Waste Segregation Plan Template, COR-HSE-RE-01 FM 4.07.2
- Country Waste Management Plan Template, COR-HSE-RE-01 FM 4.07.3
- Garbage Record Book (is available from the Flag State).

Retain Garbage Record Book for a minimum of 24 months.

SOLID CONTROL AND WASTE MANAGEMENT SYSTEM
RIG: SHELF DRILLING ENTERPRISE

Rev.01



SDE
EMERGENCY RESPONSE
PLAN

REVISION
LEVEL: 3
TYPE: RIG PROCEDURE
REF: SDE-HSE-RP-02
ISSUE: 01
REV: 04
DATE: 10-FEB-2024



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Subsection 1	About This Plan
Subsection 2	Emergency Scenarios
Subsection 3	Related Documents and Distribution
Subsection 4	Document Structure
Section 2	Station Bill
Section 3	Emergency Teams and Duties
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Subsection 2	Emergency Teams
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Section 4	Emergency Guidance
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Subsection 2	Emergency Actions
Subsection 3	Selection of Lifeboats
Subsection 4	Controlled Shutdown Strategy
Subsection 5	Time Outs
Section 5	Emergency Scenarios
Subsection 1	Shallow Gas Blowout (open hole or pipeline failure)
Subsection 2	Shallow Gas Blow-out (Texas Deck)
Subsection 3	Well control – Blowout at the Drill Floor
Subsection 4	H ₂ S Release
Subsection 5	Fire / Explosion in Mud Processing Area (entrained gas)
Subsection 6	Fire / Explosion in Well Test Area
Subsection 7	Fire in Accommodation
Subsection 8	Fire / Explosion in the Machinery Spaces
Subsection 9	Collision
Subsection 10	Structural Failure (due to extreme weather)
Subsection 11	Foundation Failure / Punch Through
Subsection 12	Loss of Control in Transit
Subsection 13	Helicopter Crash on Installation
Subsection 14	Helicopter Crash in Sea (close to installation)
Subsection 15	Man Overboard
Subsection 16	Environmental Pollution
Subsection 17	Total Power Failure

Author:			Version:	1.0
Checked By:			Revision No:	1.3
Approved:			Revision Date:	8 July 2025
Shelf Drilling Enterprise, Gulf of Thailand				

MEDICAL EMERGENCY
RESPONSE PLAN (MERP)

Membership Number:

Membership Type:

Topside Support Program + Medical
Staffing + Project Membership

Shelf Drilling Enterprise
PTTEP-Gulf of Thailand

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Approved:			Revision Date:	8 July 2025
Shelf Drilling Enterprise, Gulf of Thailand				

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Appendix I Notification of Case Form

#	Procedure	Identified Hazards	Risk Rating	Controls	Risk Rating	Are All Controls in Place?
1	<p>Pre-Task Planning Meeting</p> <ul style="list-style-type: none"> Review TBRA and conduct Pre job Safety Meeting. Obtain Permit to Work, and complex Lift Plan. HET:- Is there enough people for the tasks (minimum staffing levels)? <p>(Additional discussion points)</p>	<ul style="list-style-type: none"> Supervisors are to supervise: <ul style="list-style-type: none"> By default, supervisors must not get involved in the task. If supervisors are required to get involved, then: <ul style="list-style-type: none"> it must be communicated at the planning phase. A task monitor should be assigned. Have the Crew explain to you what the 1 meter zone is and what they should do if they need to step in and touch the load / lift? Review if operation can be done Hands Free, discuss hand placement on every task step. Hold accountable to call TOFS for unsafe act and unsafe condition. <p>Personnel not understanding their job. Personnel not paying attention. communication problem.</p> <p>DISTRACT FROM PHONE OR RADIO CALL.</p> <p>(Additional hazards)</p>		<p>Ensure you have reviewed the SIMOPS, Impaired barriers and External impacts SOOB Matrix WHAT ARE THE "IN THE LINE OF FIRE" POTENTIALS IN THIS TASK?, POINT THEM OUT Housekeeping to be done before , during and after the job</p> <ul style="list-style-type: none"> All personnel at Pre job Safety Meeting ask all questions necessary to ensure that they understand their job. Ensure all questions are answered during Pre job Safety Meeting and that all personnel involved in the task fully understand their role and then Explain in local language importance of paying close attention to their duties. discussed in local language. Check manifest to ensure exact load weight is known. Ensure Mypg system is operational. Ensure the load weight are correct and lifting gear SWL are certified and sufficient. ENSURE LOAD CHART IS IMPLEMENTED AND ENSURE OFFBOARD AND ONBOARD SWL ARE KNOWN AND PLAN LIFT ACCORDINGLY. (Additional controls) 		

#	Procedure	Identified Hazards	Risk Rating	Controls	Risk Rating	Are All Controls in Place?
1	<div>(Additional discussion points)</div>	<div>(Additional hazards)</div>		CRANE OPERATOR SHOULD NEVER BE DISTRACTED BY PHONE OR RADIO CALL. The operation must be stop and discussing shall be made before lifting commence. <ul style="list-style-type: none"> HET:- Confirm minimum staffing; all stop if minimum manning not met <div>(Additional controls)</div>		

#	Procedure	Identified Hazards	Risk Rating	Controls	Risk Rating	Are All Controls in Place?
2	<ul style="list-style-type: none"> Select lifting equipment and communicate with boat captain, check the crane condition and swl Crane opt. identify the weight of load exactly from manifest to match with boom crane load limit chart. Crane opt. always use 8 parts line and max. lifting not exceed 70% of SWL. HET:- Are all tools available and are they suitable for the task? <div> Number of people required <div>1 Crane operator 1 Banksman 2 Rigger Crane, Lifting gear Radio</div> </div> <div>Tools & Equipment:</div> <div>Responsible Person</div> <div>(Additional discussion points)</div>	<ul style="list-style-type: none"> Dropping the load. injury to personnel. property damaged. environmental, weather problem, Lifting gear breaking, over load <div>(Additional hazards)</div>		<ul style="list-style-type: none"> Inform supervisor if any problems are noted or if you have any questions. Conduct proper inspection of lifting equipment, verify that color code on lifting equipment is the current color code and lifting rate is sufficient to the life the load Good communication with boat crew, check the limit switched and brakes. Ask the boat crew the SWL of cargo gear and double check the manifest for load weight. Crane operator to be check on boom radius against with the load chart to confirm lifting operation is safe to lift. barricade the area and make PA announcements to ensure all onboard keep away from area until lift is completed. HET:- Review tools for suitability, and confirm tools are suitable In emergency, load is descending uncontrollably, let go control joystick to neutral position. If the load does not stop, activate E-stop.\ <div>(Additional controls)</div>		

#	Procedure	Identified Hazards	Risk Rating	Controls	Risk Rating	Are All Controls in Place?
3	Swing the crane to pick up the load at planed load radiuous	Dropping the load, injury to personnel, property damage, environmental. Improper rigging. Dropped Objects. weather condition		<ul style="list-style-type: none"> • Inform supervisor if any problems are noted or if you have any questions. • Make a PA announcement that a heavy lift is about to commence, and give the location of the heavy lift. • Qualified personnel rig load. Designated Banksman to ensure swing path is clear and that there are no potential Dropped Objects on the load. • Barrier off the area below the swing path of the load to ensure no personnel are in the area. 		
	Number of people required 1 Crane operator 1 Banksman 2 Rigger	(Additional hazards)		DOUBLE CHECK LOAD CHART FOR OFFLOAD LIFT SWL.		
	Tools & Equipment: Responsible Person Crane, Lifting gear, hand free tool, radio			<p>"Any other lifting device operator i.e. tugger operator or chain hoist operator etc. must remain at the controls while and load is suspended. He must not operate the device until a dedicated banksman physically check to confirm it is safe to operate."</p> <p>ผู้ควบคุมอุปกรณ์ยกต่างๆเช่น tugger หรือ chain hoist และอุปกรณ์อื่นๆ</p> <p>ผู้ควบคุมอุปกรณ์ยกจะต้องอยู่กับที่ควบคุมตลอดเวลา และไม่ใช่ผู้ปฏิบัติงานที่มีพนักงาน banksman มาให้สัญญาณว่ายกยกขึ้นปลอดภัยต่อการทำงาน</p>		

#	Procedure	Identified Hazards	Risk Rating	Controls	Risk Rating	Are All Controls in Place?
4	Planned Time Out for Safety	Improper rigging, unanticipated weather conditions, communications failure		<ul style="list-style-type: none"> • All personnel in the lift will give an indication that they are comfortable with the operation, understand their role, and are satisfied with going forward. • Assess the prevailing weather conditions, verify that all communications are operational, and that all personnel are on station and ready to proceed. • Ensure weather condition (wind not more than 25 Knots and waves not hiegieer than 1.5 mtersw) • HET:- Report inaccurate procedures; Observe tasks and update procedure 		
	Pre view the plan checked the load weight and radiuous correct as per planed. Crane checks and functioning correctly	(Additional hazards)				
	HET:- Do procedures reflect real work and is all information included?			<p>(Additional controls)</p>		

#	Procedure	Identified Hazards	Risk Rating	Controls	Risk Rating	Are All Controls in Place?
5	<ul style="list-style-type: none"> If heavy lift offloading the crane operator must use a radius of crane boom not more than 12 meters and raise the crane block to be higher than the handrail of jacking town not less than 5 meters when lifting the load passing port leg. คนขับเครนต้องใช้รัศมีบูมเครนไม่เกิน 12 เมตร และยกลูกตุ้มให้สูงกว่า handrail บนขาเรือ ไม่น้อยกว่า 5 เมตร เมื่อยกของผ่าน port leg. If observe tubular turnaround Crane operator need to be swing crane to out board the rig to wait until tubular stable then swing crane to in board the rig to safe radius. ถ้าสังเกตเห็นว่าท่อหมุนให้คนขับเครนสวิงเครนออกนอกตัวเรือ แล้วรอนกว่าท่อจะหยุดนิ่งแล้วค่อยสวิงเครนเข้ามาในตัวเรือได้ <p>Number of people required 1 Crane operator 1 Banksman 2 Rigger VHF radio, Suitable SWL slings and shackles for Lifts, Tag line and pushpull pole</p> <p>Tools & Equipment: Responsible Person</p> <p>(Additional discussion points)</p>	<ul style="list-style-type: none"> Pinch by load. ถูกหนีบ Strike by load. การโดนกระแทกโดยวัตถุ Drops object. วัตถุร่วงหล่น Equipment damage อุปกรณ์เสียหาย Crane Opt. can't control load คนขับเครนไม่สามารถควบคุม load ได้ Use wrong radius of crane boom ใช้รัศมีบูมเครนผิด <p>(Additional hazards)</p>		<ul style="list-style-type: none"> Good communication between banksman and rigger in blind spot before lift the load up. มีการสื่อสารที่ดีระหว่างเจ้าหน้าทำให้สัญญาณเครนและเจ้าหน้าที่ที่ควบคุมของการยกของในจุดจับต่างๆ Crane Opt. pay more attention while operate crane. คนขับเครนต้องนิสมาธิและเอาใจใส่อย่างมากในขณะที่ขับเคลื่อน The crane boom is always in a safe radius according to the requirement when lifting the load. ให้รัศมีบูมเครนอยู่ในรัศมีที่ปลอดภัยเสมอตามข้อกำหนดเมื่อมีการยกของ HET:- Remove obstructions / slip / trip hazards; ensure safe access <p>(Additional controls)</p>		

#	Procedure	Identified Hazards	Risk Rating	Controls	Risk Rating	Are All Controls in Place?
5	<ul style="list-style-type: none"> HET:- Does the workplace have obstructions that need worked around? <p>Number of people required</p> <p>Tools & Equipment: Responsible Person</p> <p>(Additional discussion points)</p>	<p>(Additional hazards)</p>		<p>(Additional controls)</p>		
6	<p>Lower the load at safe area, using wooden plank</p> <p>Number of people required 1 Crane operator 1 Banksman 2 Rigger Crane, lifting gear, load, radio, tag line, hand free tool, Radio</p> <p>Tools & Equipment: Responsible Person</p> <p>(Additional discussion points)</p>	<p>Load unstable due to inbalance, twisted slings, potential dropped objects, exceeding load capacity of crane.</p> <p>(Additional hazards)</p>		<ul style="list-style-type: none"> Banksman will inform Crane Operator to commence the lift. PA annoucemtn to be made to alert personnel in the area. Verify that load is within load capacity and radious of the crane by reviewing manifest. Attach tag lines to load to assist in maneuvering load. Barrier off area below lift. Banksman ensure slings are not twisted. In case of offloading from the boat banksman to be sure that the landing area on deck must clear to access and sufficient to placethe load safely <p>(Additional controls)</p>		

#	Procedure	Identified Hazards	Risk Rating	Controls	Risk Rating	Are All Controls in Place?
7	<p>Lower the slings and disconnect the pendant wire</p> <p>Number of people required 1 Crane operator 1 Banksman 2 Rigger</p> <p>Tools & Equipment: Crane, lifting gear, load, radio, tag line, hand free</p> <p>Responsible Person tool, landing area</p> <p>(Additional discussion points)</p>	<p>Landing load in an unsuitable location. sling parting</p> <p>(Additional hazards)</p>		<ul style="list-style-type: none"> Banksman will inform Crane Operator that landing area is still clear, the swing path if free of obstructions, and the deck crew in the landing area is ready to receive the load. Banksman will ensure load will swing freely and that load will rest evenly. Crane Operator will verify that landing area will support the weight of the load <p>(Additional controls)</p>		
8	<p>Cleanup work area after job and close the ptw</p> <p>Number of people required 1 Crane operator 1 Banksman 2 Rigger</p> <p>Tools & Equipment: Crane, lifting gear, tag line, hand free tool, work area</p> <p>Responsible Person area</p> <p>(Additional discussion points)</p>	<p>Slips, trips, and falls from loose gear. Potential dropped objects.</p> <p>(Additional hazards)</p>		<ul style="list-style-type: none"> Inform supervisor if any problems are noted or if you have any questions. Ensure all equipment is properly stored and that housekeeping is conducted after completion of task. Mention the swl of any heavy equipments on log book. <p>(Additional controls)</p>		
9	<p>Debrief</p> <p>Conduct debrief to be capture improvement point for next operation</p> <p>(Additional discussion points)</p>	<p>Not capture any lessons learnt due to no participation</p> <p>(Additional hazards)</p>		<p>Record and capture improvment Points</p> <p>(Additional controls)</p>		

#	Procedure	Identified Hazards	Risk Rating	Controls	Risk Rating	Are All Controls in Place?
10	<p>Blank step for MOC if plan changes during the task</p> <p>(Additional discussion points)</p>	<p>(Additional hazards)</p>		<p>(Additional controls)</p>		

The procedure steps, equipment, responsibilities and controls necessary to complete this task safely have been communicated to all personnel involved. I am obligated to call a Time Out for Safety for any condition perceived or otherwise regarded as an unsafe situation.

Date:	Supervisor Name & Signature:

	Handover Supervisor Name & Signature:
Team Member Name & Signature:	Team Member Name & Signature:
-----	-----
Handover Team Member Name & Signature:	Handover Team Member Name & Signature:
Team Member Name & Signature:	Team Member Name & Signature:
-----	-----
Handover Team Member Name & Signature:	Handover Team Member Name & Signature:
Team Member Name & Signature:	Team Member Name & Signature:
-----	-----
Handover Team Member Name & Signature:	Handover Team Member Name & Signature:

Figure 2.4.2 – Risk Assessment Matrix

Risk Matrix		Likelihood of Happening			
		Happened in Industry	Happened in the company	Happened on rig	Happened on rig multiple times
Hazard Severity	Fatality				
	Loss of containment overboard ≥ 10bbbls	4	5	6	7
	Property damage ≥ \$250,000				
	Lost Time Incident				
	Loss of containment overboard < 10bbbls	3	4	5	6
	Property damage ≥ \$50,000 < \$250,000				
	Restricted Work Case				
	Loss of containment onboard ≥ 0.5 bbbls	2	3	4	5
	Property damage ≥ \$1,000 < \$50,000				
	Medical Treatment Case or First Aid Case				
	Loss of containment onboard < 0.5bbbls	1	2	3	4
	Property damage < \$1,000				

Date:		Installation/ Facility:	
Competent Person:		Position:	
Weight of Load:		Description of the Load:	
Brief Description of the Lifting Operation:			

LIFT CHECKLIST

A COMPLEX LIFT IS FOR ALL MECHANICAL LIFTING DEVICES AND NOT JUST FOR THE CRANES

Route to be travelled and laydown area:		Yes	No
1.	Has the route to be travelled been selected and cleared from obstructions?	<input type="checkbox"/>	<input type="checkbox"/>
2.	Is laydown/landing area/s adequate in both size and load bearing capacity?	<input type="checkbox"/>	<input type="checkbox"/>
3.	Is suitable packaging available for protection of load / slings while landing the load (e.g. timber)?	<input type="checkbox"/>	<input type="checkbox"/>
4.	Have you established adequate barriers as per Zone Management (i.e. Black Zone / Red Zone)?	<input type="checkbox"/>	<input type="checkbox"/>
5.	Have the Banksman and Riggers discussed their safe standing position from the load during the lift?	<input type="checkbox"/>	<input type="checkbox"/>
6.	Have you confirmed that the laydown area is within the operating radius of the crane? (conduct dummy run if deemed necessary)	<input type="checkbox"/>	<input type="checkbox"/>
7.	Will the Banksman always be visible to the crane operator or has alternative means of communications been established?	<input type="checkbox"/>	<input type="checkbox"/>
8.	Have weather conditions been considered regarding the effect on the safety of the lifting operation?	<input type="checkbox"/>	<input type="checkbox"/>

Check	Yes	No
9.	Do you know the weight of the load?	<input type="checkbox"/>
10.	Has the lifting operation been performed before?	<input type="checkbox"/>
11.	Is the load accessible by available lifting appliances and is it a straight lift?	<input type="checkbox"/>
12.	Does the load have certified lifting points or slings wrapped around without any hazards? (e.g.: Sharp edge, fragile load, etc.)	<input type="checkbox"/>
13.	Is there enough headroom for lifting appliance and slings?	<input type="checkbox"/>
14.	Is the load stable, center of gravity (CG) below lifting points?	<input type="checkbox"/>
15.	Is the lift balanced with the help of customized lifting arrangement (loads with irregular shapes that need custom-made slings and bridle arrangement)?	<input type="checkbox"/>
16.	Are you experienced with all lifting equipment to be utilized?	<input type="checkbox"/>
17.	Are environmental conditions within acceptable parameters?	<input type="checkbox"/>
18.	Have I discussed the plan with my team?	<input type="checkbox"/>
19.	Has the technical team inspected the lifting appliance brakes, gearing, motors, etc.?	<input type="checkbox"/>
20.	If the load being lifted is greater than 70% of the SWL, is the crane main block reeved with the most appropriate number of falls/parts of wire?	<input type="checkbox"/>
21.	For personnel transfers, has the Personnel Transfer Device Pre-Use Inspection been completed?	<input type="checkbox"/>













DROPS	Yes	No
22.	Are all items on/in the load secured?	<input type="checkbox"/>
23.	Are all doors/hatches secured to prevent opening?	<input type="checkbox"/>
24.	Have all lifting equipment/points been inspected for damage/proper securing?	<input type="checkbox"/>
25.	Has the load been inspected for any loose items (tools, debris, etc...)?	<input type="checkbox"/>
26.	Is the load in suitable condition for the lift? (No excessive rust, No broken hinges, etc...)	<input type="checkbox"/>
27.	Is the load slick and does it have the potential for a wire sling to slip (consider using a webbing sling under PTW if you believe there is potential for slipping and no end stopper to prevent the sling sliding off the load)	<input type="checkbox"/>

IF YOU ANSWERED “NO” TO ANY OF THE ABOVE QUESTIONS, WRITE BELOW WHICH NUMBER, WHY AND WHAT CONTROLS YOU WILL PUT IN PLACE

No.	Controls (Example: We have not used this lifting device before, but we will follow the manufacturer's guidance and do a trial run before making the lift.)
-----	--

Step-by-step details of the lifting operation:	
1.	Consider a staged lift where you lift only 1 meter (or an agreed length) at a time to ensure the lift is not going to hang up.
2.	
3.	
4.	
5.	

Consider using a separate sheet of paper to sketch the pickup point, load path, landing point and escape route(s).

Rigging material list:						
Lift Method		2L bridle	3L bridle	4L bridle	Connecting	Other
<input type="checkbox"/> Web						
	Qty: SWL:	Qty: SWL:	Qty: SWL:	Qty: SWL:	Qty: SWL:	Qty: SWL:
<input type="checkbox"/> Wire						
	Qty: SWL:	Qty: SWL:	Qty: SWL:	Qty: SWL:	Qty: SWL:	Qty: SWL:

Consider using a separate sheet of paper to sketch the rigging arrangement.

Confirmation	Actual max weight of load identified physically on the load	Expected max radius of lift and SWL at that radius	Is it safe to conduct the lift within the crane's limits?
	Kg/lb	Onboard (Static) Offboard (Dynamic)	
		Max radius (m/ft) Max radius (m/ft)	<input type="checkbox"/> Yes <input type="checkbox"/> No
		SWL (Kg/lb) SWL (Kg/lb)	

Personnel Involved in the Lift NAME		POSITION	NAME	POSITION
		Crane Op		Slinger 2
		Banksman		Driller/Asst
		Slinger 1		

Supervisor Responsible for job:	Name:	Signature	Date:
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Debrief and Lessons Learned	Did the lifting operations go as per the plan?
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1) Person Performing the Work/ผู้ปฏิบัติงาน:

Name: ชื่อ: [Redacted]	Position: ตำแหน่ง: A/D	Date: วันที่: 10/07/25
Hot Work งานที่ก่อให้เกิดประกายไฟ	Long Term De-Isolation การตัดระบบใหม่หลังจากตัดแยกเป็นเวลานาน	Fuel/Oil Bunkering การขนถ่ายเชื้อเพลิงหรือน้ำมัน
Handling of explosives การทำงานกับวัตถุระเบิดได้	Handling of radioactive sources การทำงานกับสารกัมมันตรังสี	Use of Personnel Basket การใช้กระเช้าสำหรับยกบุคคล
Mixing/pumping acid การผสม/การปั๊มกรด	Work on energized equipment การทำงานกับอุปกรณ์ที่มีแรงดันไฟฟ้า	Use of Web slings การใช้สลิงแบบถัก
Work on safety critical system/SECE อุปกรณ์สำคัญหรือระบบความปลอดภัยและสิ่งแวดล้อม	Work on Anchor systems การทำงานเกี่ยวกับระบบยึดแท่งและยึดคานเรือระบบผล	Confined space entry การเข้าไปทำงานในพื้นที่อับอากาศ
Bypass of equipment safety controls หลีกเลี่ยงข้อจำกัดการให้อุปกรณ์มีความปลอดภัย	Crane or TD operation at winds >30 Knots ใช้เครนหรือความเร็วลมเกิน 30 น็อต	Other อื่นๆ
Use of non-Intrinsically Safe Equipment in Hazardous Areas การใช้อุปกรณ์ที่อาจก่อให้เกิดอันตรายได้ในพื้นที่อันตราย	Over the side work or danger of falling overboard ทำงานเหนือพื้นน้ำหรือการตกจากเรือ	
Work on bulkheads/valves/piping that could lead to flooding การทำงานกับผนังหรือวาล์วหรือท่อที่อาจทำให้เกิดน้ำท่วมได้	Opening/ Maintenance of overboard dump valves การเปิดบำรุงรักษาหรือการซ่อมแซมของถังระบายน้ำจากเรือ	

2) Location of work/สถานที่ทำงาน:

Rig floor

3) Description of work/รายละเอียดงาน:

Working On TDS Gear

Energy Isolation Cert #: 25-7 EIOH	Confined Space Entry Cert #: [Redacted]	Firewatcher Checklist #: [Redacted]	Manriding Checklist #: [Redacted]
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Upon sounding of the General Alarm or PA announcement that work is to cease, the work area must be made safe and this Permit to Work is suspended.
เมื่อสัญญาณเตือนภัยทั่วไปหรือการประกาศตามสายให้หยุดการทำงาน ต้องจัดพื้นที่การทำงานให้อยู่ในสภาพที่ปลอดภัย และใบอนุญาตทำงานนี้จะถูกระงับชั่วคราว

4) Cross Reference:

แผนกอื่นที่ต้องทราบข้อมูล: The work specified in this permit DOES NOT conflict with current operations or other permits. If work affects other departments, the affected Department Supervisors have been informed./งานที่ระบุในใบอนุญาตนี้ไม่ขัดแย้งกับงานที่ปฏิบัติในปัจจุบัน หรือ ใบอนุญาตอื่นๆ หากงานอาจส่งผลกระทบต่อแผนกอื่น จะต้องได้รับการติดต่อ

Responsible Person: ผู้มีหน้าที่รับผิดชอบ: [Redacted]	(Print Name/ชื่อ) [Redacted]	(Signature/ลายมือชื่อ) [Redacted]
Affected Department Head: หัวหน้าแผนกที่ได้รับผลกระทบ: [Redacted]	(Print Name/ชื่อ) [Redacted]	(Signature/ลายมือชื่อ) [Redacted]
Affected Department Head: หัวหน้าแผนกที่ได้รับผลกระทบ: [Redacted]	(Print Name/ชื่อ) [Redacted]	(Signature/ลายมือชื่อ) [Redacted]

5) Person Performing the Work/ผู้ปฏิบัติงาน:

I have inspected the worksite and declare that all work will be carried out as described, and the controls as stated in the TBRA have been put in place and will remain effective for the duration of the task. I declare that it is safe for the work to proceed./ข้าพเจ้าได้ตรวจสอบสถานที่ทำงานแล้ว และจะปฏิบัติงานทั้งหมดตามลักษณะที่แจ้งไว้โดยได้รับความระมัดระวัง ความเสี่ยงที่ฉันได้ประเมินความเสี่ยงที่เป็นลายลักษณ์อักษรแล้ว และมาตรการดังกล่าวจะมีผลบังคับใช้ตลอดระยะเวลาการทำงานข้าพเจ้าขอแจ้งว่ามีความปลอดภัยเพียงพอที่จะสามารถเริ่มปฏิบัติงานได้

Person Performing the Work/ผู้ปฏิบัติงาน: [Redacted]	(Print Name/ชื่อ) [Redacted]	(Signature/ลายมือชื่อ) [Redacted]
Handover Person Performing the Work/ผู้รับช่วงปฏิบัติงาน: [Redacted]	(Print Name/ชื่อ) [Redacted]	(Signature/ลายมือชื่อ) [Redacted]

6) Responsible Person/พนักงานที่รับผิดชอบ:

I have inspected the worksite and I confirm that the controls stated in the TBRA have been put in place and I confirm that it is Safe for the work to proceed as specified./ข้าพเจ้าได้ตรวจสอบสถานที่ทำงานและยืนยันว่า มีการควบคุมตามที่ระบุไว้ในเครื่องมือประเมินความเสี่ยงที่เป็นลายลักษณ์อักษร และข้าพเจ้าขอยืนยันว่ามีความปลอดภัยในการปฏิบัติงานตามที่กำหนด

Date/วันที่: 10/07/25	Time/เวลา: 10.00	From/ตั้งแต่: 14.00 hrs/n	To/ถึง: 06.00 hrs/n
Responsible Person/พนักงานที่รับผิดชอบ: [Redacted]	(Print Name/ชื่อ) [Redacted]	(Signature/ลายมือชื่อ) [Redacted]	
Handover Responsible Person/ผู้รับช่วงที่รับผิดชอบ: [Redacted]	(Print Name/ชื่อ) [Redacted]	(Signature/ลายมือชื่อ) [Redacted]	

7) Approval - OIM/การอนุมัติ - ผู้จัดการแท่นเจาะนอกชายฝั่ง:

I acknowledge that the work has been suitably planned and risk assessed, and Approve the work to proceed as specified.
ข้าพเจ้ารับทราบงานได้มีการวางแผน และประเมินความเสี่ยงอย่างเหมาะสม และอนุญาตให้การทำงานดำเนินการต่อไปตามที่กำหนด

OIM / Designee: ผู้จัดการการติดตั้งนอกชายฝั่ง/ผู้ได้รับมอบหมาย: [Redacted]	(Print Name/ชื่อ) [Redacted]	(Signature/ลายมือชื่อ) [Redacted]
Customer Rep (when applicable):/ตัวแทนลูกค้า (หากมี): [Redacted]	(Print Name/ชื่อ) [Redacted]	(Signature/ลายมือชื่อ) [Redacted]

8) Reason for Suspension/เหตุผลในการระงับ:

Suspension (Responsible Person): การอนุญาตถูกระงับโดย (พนักงานที่รับผิดชอบ): [Redacted]	Date/วันที่: [Redacted]	Time/เวลา: [Redacted] hrs/n
Reactivation (OIM): ใบอนุญาตมีผลอีกครั้ง (ผู้จัดการการติดตั้งนอกชายฝั่ง): [Redacted]	Date/วันที่: [Redacted]	Time/เวลา: [Redacted] hrs/n

9) Permit to Work closure/การปิดใบอนุญาตทำงาน:

The work is/งาน completed / not completed (circle one)เสร็จสิ้น/ยังไม่เสร็จสิ้น (วงหนึ่งข้อ) and the area is in a safe condition./และพื้นที่อยู่ในสภาพที่ปลอดภัย

Person Performing Work: ผู้ปฏิบัติงาน: [Redacted]	(Print Name/ชื่อ) [Redacted]	(Signature/ลายมือชื่อ) [Redacted]	Date/วันที่: 10/7/25	Time/เวลา: 0600 hrs/n
Responsible Person: ผู้รับผิดชอบ: [Redacted]	(Print Name/ชื่อ) [Redacted]	(Signature/ลายมือชื่อ) [Redacted]	Date/วันที่: 10/7/25	Time/เวลา: 0600 hrs/n
OIM: ผู้จัดการการติดตั้งนอกชายฝั่ง: [Redacted]	(Print Name/ชื่อ) [Redacted]	(Signature/ลายมือชื่อ) [Redacted]	Date/วันที่: 10/7/25	Time/เวลา: 0600 hrs/n

10) Auditing of PTW/การตรวจสอบใบอนุญาตทำงาน:

This PTW was audited at the work site and administration site by: ใบอนุญาตทำงานนี้ได้รับการตรวจสอบ ณ สถานที่ปฏิบัติงานและสถานที่บริหารจัดการโดย: [Redacted]

(Print Name/ชื่อ) [Redacted]	(Signature/ลายมือชื่อ) [Redacted]	Date/วันที่: [Redacted]	Time/เวลา: [Redacted] hrs/n
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Note: Areas highlighted in grey must be completed.

หมายเหตุ: พื้นที่สีเทาต้องเติมข้อมูลให้ครบถ้วน

Section 1. Identification of the substance/mixture and of the company/undertaking

GHS product identifier : BRINE-PAC™ 1500
Product code : 2580DF
Product type : Liquid.
Recommended use : Corrosion inhibitor.
Supplier's details : Baker Hughes Operations (Thailand) Limited
No. 1010, Shinawatra Tower III, 8th Floor, Unit No. 803-T,
Vibhavadi Rangsit Road, Chatuchak Subdistrict,
Chatuchak District, Bangkok 10900, Thailand
บริษัท เบเกอร์ ฮิวส์ โอเปอเรชั่นส์ (ประเทศไทย) จำกัด
เลขที่ 1010 อาคารชินวัตรทาวเวอร์ 3, ชั้น 8, ห้องเลขที่ 803-ที
ถนนวิภาวดีรังสิต แขวงจตุจักร
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- Brunei: + (65)-31581349 (Mandarin/English)
- China: 4001-204937 (Mandarin) *
- Hong Kong: 800-968-793 (Cantonese) *
- Indonesia: 001-803-017-9114 (Bahasa Indonesian) *
- Japan: 0800-300-5842 (Japanese)
- Malaysia: 1-800-815-308 (Bahasa Malay) *
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- Thailand: 001-800-13-203-9987 (Thai) *
- Vietnam: + (84)-838012436 (Vietnamese) *
* Number can only be dialled in-country

Section 2. Hazards identification

Classification of the substance or mixture : **FLAMMABLE LIQUIDS - Category 4**
ACUTE TOXICITY (oral) - Category 4
ACUTE TOXICITY (dermal) - Category 5
SKIN CORROSION/IRRITATION - Category 3
SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 1
LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3

GHS label elements

Section 2. Hazards identification

Hazard pictograms :



GHS08 GHS07

Signal word : **Danger**

Hazard statements :

H227 Combustible liquid.
May be harmful in contact with skin.
Causes mild skin irritation.
Causes serious eye irritation.
Causes damage to organs. (optic nerve)
Harmful to aquatic life with long lasting effects.

Precautionary statements

P201 Prevention

: Wear protective gloves: > 8 hours (breakthrough time): nitrile or neoprene Gloves.
Wear protective clothing. Wear eye or face protection. Keep away from flames and hot surfaces. No smoking. Avoid release to the environment. Do not breathe vapour. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

P501 Response

: If exposed: Call a POISON CENTER or doctor. IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. IF ON SKIN: Call a POISON CENTER or doctor if you feel unwell. If skin irritation occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

P501 Storage

: Store locked up. Store in a well-ventilated place. Keep cool.
Dispose of contents and container in accordance with all local, regional, national and international regulations.

P227 Hazard statements (Code)

: H227, H302, H313, H316, H319, H370, H412

P280 Precautionary statements (Code)

: P280, P210, P273, P260, P270, P264, P307 + P311, P301 + P312, P330, P302 + P312, P332 + P313, P305 + P338, P337 + P313, P405, P403 + P235, P501

P501 Other hazards which do not result in classification : Prolonged or repeated contact may dry skin and cause irritation.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification : Not available.

Ingredient name	%	CAS number
Ethanol, 2,2'-oxybis-, reaction products with ammonia, morpholine derivs. residues	≥25 - ≤50	68909-77-3
methanol	≥10 - ≤16	67-56-1
Glycine, N,N'-1,2-ethanediybis[N-(carboxymethyl)-, sodium salt, hydrate (1:4:4)	<10	13235-36-4

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Section 3. Composition/information on ingredients There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.	
Section 4. First aid measures <u>Description of necessary first aid measures</u> Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Continue to rinse for at least 15 minutes. Check for and remove any contact lenses. Get medical attention. If necessary, call a poison center or physician. Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Skin contact : Wash skin thoroughly with soap and water or use recognised skin cleanser. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse. Ingestion : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.	
Most important symptoms/effects, acute and delayed <u>Potential acute health effects</u> Eye contact : Causes serious eye irritation. Inhalation : Causes damage to organs following a single exposure if inhaled. Skin contact : May be harmful in contact with skin. Causes damage to organs following a single exposure in contact with skin. Causes mild skin irritation. Defatting to the skin. Ingestion : Harmful if swallowed. Causes damage to organs following a single exposure if swallowed.	
<u>Over-exposure signs/symptoms</u> Eye contact : Adverse symptoms may include the following: pain or irritation, watering, redness Inhalation : No specific data. Skin contact : Irritation, redness, dryness, cracking Ingestion : No specific data.	
Indication of immediate medical attention and special treatment needed, if necessary Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Specific treatments : No specific treatment. Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.	
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Section 4. First aid measures See toxicological information (Section 11)	
Section 5. Firefighting measures <u>Extinguishing media</u> Suitable extinguishing media : Use dry chemical, CO ₂ , alcohol-resistant foam or water spray (fog). Unsuitable extinguishing media : Do not use water jet. Specific hazards arising from the chemical : Combustible liquid. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. Hazardous thermal decomposition products : Carbon dioxide, carbon monoxide, nitrogen oxides, metal oxide/oxides Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.	
Section 6. Accidental release measures <u>Personal precautions, protective equipment and emergency procedures</u> For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flames, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".	
Environmental precautions : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.	
Methods and material for containment and cleaning up Small spill : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.	
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Section 6. Accidental release measures

Large spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spill product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Reference to other sections

: See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment
See Section 13 for additional waste treatment information.

Section 7. Handling and storage

Precautions for safe handling

Protective measures

: Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

: Store in accordance with local regulations. Store in a segregated and approved area. Store in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Store locked up. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
methanol	ACGIH TLV (United States, 1/2023). Absorbed through skin. TWA: 200 ppm 8 hours. TWA: 262 mg/m³ 8 hours. STEL: 250 ppm 15 minutes. STEL: 328 mg/m³ 15 minutes.

Biological exposure indices

No exposure indices known.

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Section 8. Exposure controls/personal protection		
Appropriate engineering controls : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.		
Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.		
Individual protection measures		
Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.		
Eye/face protection : Wear chemical safety goggles. When transferring material wear face-shield in addition to chemical safety goggles.		
Skin protection		
Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. Recommended: > 8 hours (breakthrough time): nitrile or neoprene Gloves		
Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.		
Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.		
Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended: If necessary half-face mask and organic vapour filter (Type A)		
Section 9. Physical and chemical properties		
The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.		
Information on basic physical and chemical properties		
Physical state : Liquid.		
Colour : Amber. [Dark]		
Odour : Aromatic.		
Odour threshold : Not available.		
pH : 8 to 8.5		
Melting point/freezing point : Not available.		
Boiling point, initial boiling point, and boiling range : 100°C (212°F)		
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Section 9. Physical and chemical properties

- Flash point : Closed cup: 61.1°C (142°F)
- Evaporation rate : Not available.
- Flammability (solid, gas) : May be combustible at high temperature.
- Upper/lower flammability or explosive limits : Not available.
- Oxidising properties : Not available.
- Vapour pressure : Not available.
- Vapour density : Not available.
- Evaporation rate (butyl acetate = 1) : Not available.
- Relative density : 1.025
- Partition coefficient: n-octanol/water : Not applicable.
- Solubility(ies) :

Media	Result
cold water	Partially soluble

- Auto-ignition temperature : Not available.
- Decomposition temperature : Not available.
- Viscosity : Not available.

Other information

- Pour point : Not available.

Section 10. Stability and reactivity

- Reactivity : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability : The product is stable.
- Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid : Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
- Incompatible materials : Reactive or incompatible with the following materials: oxidising materials.
- Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Ethanol	LC50 Inhalation Vapour	Rat	128.2 mg/l	4 hours
	LD50 Dermal	Rabbit	17100 mg/kg	-
	LD50 Oral	Rat	≥2528 mg/kg	-
	LD50 Oral	Rat	>2000 mg/kg	-
Glycine, N, N'-1,2-ethanediybis[N-(carboxymethyl)-, sodium salt, hydrate (1:4:4)				

Section 11. Toxicological information

- Conclusion/Summary : May be harmful if absorbed through skin or if swallowed. Can cause target organ damage.

Irritation/Corrosion

- Skin : ☒ May cause skin irritation.
- Eyes : May cause eye irritation.
- Respiratory : No known significant effects or critical hazards.

Sensitisation

- Skin : No known significant effects or critical hazards.
- Respiratory : No known significant effects or critical hazards.

Mutagenicity

- Conclusion/Summary : No known significant effects or critical hazards.

Carcinogenicity

- Conclusion/Summary : No known significant effects or critical hazards.

Reproductive toxicity

- Conclusion/Summary : No known significant effects or critical hazards.

Teratogenicity

- Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Ethanol	Category 1	oral	optic nerve
	Category 3	-	Respiratory tract irritation
Glycine, N, N'-1,2-ethanediybis[N-(carboxymethyl)-, sodium salt, hydrate (1:4:4)]			

Specific target organ toxicity (repeated exposure)

- Not available.

Aspiration hazard

- Not available.

- Information on likely routes of exposure : Not available.

Potential acute health effects

- Eye contact : Causes serious eye irritation.
- Inhalation : ☒ Causes damage to organs following a single exposure if inhaled.
- Skin contact : ☒ May be harmful in contact with skin. Causes damage to organs following a single exposure in contact with skin. Causes mild skin irritation. Defatting to the skin.
- Ingestion : ☒ Harmful if swallowed. Causes damage to organs following a single exposure if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact : Adverse symptoms may include the following:;pain or irritation;watering,redness
- Inhalation : No specific data.
- Skin contact : ☒ Irritation,redness,dryness,cracking
- Ingestion : No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Section 11. Toxicological information


- Short term exposure
- Potential immediate effects

: Not available.
- Potential delayed effects

: Not available.
- Long term exposure
- Potential immediate effects

: Not available.
- Potential delayed effects

: Not available.
- Potential chronic health effects

: Not available.
- Not available.
- General
- 

Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/ or dermatitis.
- No known significant effects or critical hazards.

: No known significant effects or critical hazards.
- No known significant effects or critical hazards.

: No known significant effects or critical hazards.
- No known significant effects or critical hazards.

: No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
BRINE-PAC™ 1500 methanol Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, sodium salt, hydrate (1:1:4)]	942.0 100 500	3203.1 300 N/A	N/A N/A N/A	32.0 3 N/A	N/A N/A N/A

Section 12. Ecological information

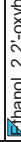
Toxicity : This material is harmful to aquatic life with long lasting effects.

Product/ingredient name	Result	Species	Exposure
methanol	Acute EC50 10000 ppm	Fresh water	96 hours
	Acute EC50 >10000 mg/l	Fresh water	48 hours
	Acute EC50 10000000 µg/l	Fresh water	48 hours
	Acute LC50 15400 mg/l	Fresh water	96 hours
	Acute LC50 100 mg/l	Fresh water	96 hours
		Fish - <i>Pimephales promelas</i> - Juvenile (Fledgling, Hatchling, Weanling)	

Persistence and degradability

Conclusion/Summary : Not available.

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
	>6.5	-	High
	-0.77	<10	Low

Section 12. Ecological information

- Mobility in soil
- : Not available.
- Other adverse effects
- : No known significant effects or critical hazards.

Section 13. Disposal considerations

- Disposal methods
- : Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spill material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Transport hazard class(es)	PG*	Label
UN Class	Not regulated.	-	-	-	
IMDG Class	Not regulated.	-	-	-	
IATA Class	Not regulated.	-	-	-	

PG* : Packing group

Regulatory information	Environmental hazards	Special precautions for user	Additional information
UN Class	No.	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.	-
IMDG Class	No.	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.	-
IATA Class	No.	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.	-

Transport in bulk according : Not available.

to IMO instruments

Section 15. Regulatory information

Hazardous Substances Act

Type

Ingredient name	CAS number	Threshold	Type	Authority	Conditions
methanol	67-56-1	-	1	Department of Industrial Works	Except the part on responsibility of The Food and Drug Administration
methanol	67-56-1	-	1	The Food and Drug Administration	Use as solvent in household products, with exemption for correction products in the form of correction tape or correction pen.
methanol	67-56-1	-	4	The Food and Drug Administration	In products intended for injection or spraying, and in products that contact to skin or food when being used

Harmful Chemicals List : Not listed

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Section 16. Other information

History

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Date of previous issue : 19 September 2023

Version : 1.01

Key to abbreviations

: ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group

Section 16. Other information

UN = United Nations

Procedure used to derive the classification

Classification	Justification
FLAMMABLE LIQUIDS - Category 4 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 5 SKIN CORROSION/IRRITATION - Category 3 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3	On basis of test data Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method

References

: Not available.

Indicates information that has changed from previously issued version.

Notice to reader

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

Section 1. /dentification of the student of the
cognate - Rind

GHS product identifier	: NOXYGEN™ XT
product code	: 2626DF
product type	: Solid.

2 ecoq a ended use : Oxyaen scavenger

Suppliers details
: Baker Hughes Operations (Thailand) Limited
No. 1010, Shinawatra Tower III, 8th Floor, Unit No. 803-T,
Vibhavadi Rangsit Road, Chatuchak Subdistrict,
Chatuchak District, Bangkok 10900, Thailand

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- UK: +(44) 870-820-0418
- USA: +(1) 703-527-3887 (CHEMTREC International 24 hour)
- * Number can only be dialled in-country

Section 2. H-C rds identification

wh	ssific-tion of the	:	Not classified.

GHS h' ehelegents
H-C rd pictol r-g s

Sil n-hv ord

Section z. H-C rds identification

Hazard	Control Measures	Risk Rating	Residual Risk
High Voltage	Lockout Tagout (LOTO) procedures, safety training, PPE (insulating gloves, tools)	High	Low
Mechanical Hazards	Safety barriers, guarding, LOTO, PPE (hard hats, safety glasses)	Medium	Low
Fall Hazards	Fall protection systems (harnesses, lifelines), safety training, PPE (hard hats)	High	Low
Confined Spaces	Permit-to-work system, gas testing, ventilation, rescue equipment, trained personnel	Critical	Low
Fire and Explosion	Hot work permits, fire extinguishers, fire blankets, PPE (fire-resistant clothing)	High	Medium-Low
Toxic Substances	Ventilation, PPE (respirators, gloves), hygiene measures, SDS review	Medium-High	Medium-Low
Ergonomics	Lifting techniques training, adjustable workstations, PPE (back braces)	Medium	Low-Medium
Weather-Related Hazards	Weather monitoring, safe work practices, PPE (weather-appropriate gear)	Variable	Low-Medium
Communication Breakdown	Clear protocols, two-way radios, designated communication points	Medium	Low
Human Error	Comprehensive training, checklists, supervision, PPE	Variable	Low-Medium
Equipment Failure	Regular maintenance, inspection schedules, backup equipment	Medium	Low-Medium
Unplanned Events	Emergency response plans, drills, first aid kits, evacuation routes	Critical	Low

yreOention : Not applicable.

Stor-I e	Dispos-h	
		: Not applicable.
		: Not applicable.

H-C rd st-teq ents)wode3 : No known significant effects or critical hazards.

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yrec-ution-rmst-eg ents :
)wode3

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(b) The Board of Directors do not : None known.

Addition-hinfora-tion

% (kin) of cbeg ic-its g - mcre-te - re-ction b-C rdous to one,s be- tto tbe enQrong entqor - potenti- hfire
 b-C rd.

Section P. woq positionxinfoq - tion on inl redients

Su' st-nceg ikture
(tber g e-n s of
identification

2,3-dihydro-3-O-sodio-D-erythro-hexono-1,4-lactone	8	6381-77-7
--	---	-----------

There are no additional incidents present involving the current provider of the supplier and in the concentrations. The respective requirements of the Commission and the relevant requirements are reported in this section.

Section M First - id q e-sures

Description of necessity - id a e-sures

Eye cont-ct
: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

- Remove victim to fresh air and keep at rest in a position comfortable for breathing
- Get medical attention if symptoms occur.

Spill containment

- : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

%ost iq port-nt smg ptog sœffectsq-cute - nd deh med
 votenti-h-cute be-ñb effects

Enne cont-ct : No known significant effects or critical hazards.

/nb- h tion
: No known significant effects or critical hazards.

SRin cont-ct : No known significant effects or critical hazards.

Section M First - id g e-sures

- /nl estion : No known significant effects or critical hazards.
- (Qerlekposure sil nsxsmg ptog s
- Enē cont-ct : No specific data.
- /nb- h tion : No specific data.
- SRn cont-ct : No specific data.
- /nl estion : No specific data.

/indic-tion of ig g edi-te g edic-h-tention - nd speci-h-re-tg ent neededqif necess-rm

- 5 otes to pbnsci- n : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific tre-tg ents : No specific treatment.

- yrotection of firsttl- iders : No action shall be taken involving any personal risk or without suitable training.

See tokicobtl ic- hinforg - tion)Section 113

Section U Firefil btinl g e-sures

Ektinl uisbinl g edi-
Suit- ' le ektinl uisbinl : Use an extinguishing agent suitable for the surrounding fire.

g edi- : None known.

6 nsuit- ' le ektinl uisbinl

g edi-

Specific b- C- rds - risinl

frog the cbeg ic- h

H- C- rdous tberg - h

decoq position products

Speci- hprotectiō - ctions : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Speci- hprotectiō : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section L Accident- hrele-se g e-sures

erson- hprec- uitionsqprotectiō e4uipg ent - nd eg erl encmprocedures

For nonteg erl encm personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

For eg erl encmresponders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

EnQrong ent- hprec- uitions : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

%etbods - nd g - teri- hfor cont-ing ent- nd cte- ninl up

Section L Accident- hrele-se g e-sures

Sg - thspith : Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

7- rl e spith : Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

2 eference to otber sections : See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

Section B H- ndinl - nd stor- l e

yrec- uitions for s- fe b- ndinl

yprotectiō g e-sures : Put on appropriate personal protective equipment (see Section 8).

AdQce on l ener- h occup- tion- hbtl iene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

wonditions for s- fe stor- l eq : Store in accordance with local regulations. Store in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section N Ekposure controlsperson- hprotection

wontrohp- r- g eters

(ccup- tion- hekposure ltiq its

None.

g lobl ic- hekposure indices

No exposure indices known.

Appropri- te enl ineerini controls

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

EnQrong ent- hekposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

/ndiQdu- hprotection g e-sures

Hnt lene g e-sures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

EmēX- ce protection : Wear chemical safety goggles. When transferring material wear face-shield in addition to chemical safety goggles.

SRn protection

Section N Ekspose controlsperson- hprotection

- H-nd protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- 9 odmprotection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- (tber sRn protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- 2 espir- tormprotection: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section =. ybnsic-h-nd cbeg ic- hproperties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

/nfor- tion on ' -sic pbsic- h- nd cbeg ic- hproperties

y bnsic- hst- te: Solid. [Crystalline solid.]

wolbur: White.

(dour: Odourless.

(dour tbesbold: Not available.

pH: 5.5 to 8.5

%etlinl pointxfreeQnl: Not available.

point: Not available.

9 oilnl pointqintiti- h: Not available.

' oilnl pointq- nd ' oilnl

r- nl e

Fh sb point: Closed cup: Not applicable.

EO por- tion r- te: Not available.

Fhg g ' iitlm)solidq - s3: May be combustible at high temperature.

6 pperxov er fh g ' -' iitlm or ekpisiOa fig its: Not applicable.

(kidisinl properties: Not available.

V- pour pressure: Not available.

V- pour densitm: Not applicable.

EO por- tion r- te)' utrn

- cat- te * 13

2 eh tiOe densitm

: 17

y- rtition coefficient: nl

oct- nofw - ter

Solu' iitnjies3

%edi-

oid water

2 esult: Easily soluble

Autolil nition teg per- ture: Not applicable.

Decog position: Not available.

teg per- ture

Viscositm: Not available.

Section =. ybnsic- h-nd cbeg ic- hproperties

(tber infor- tion
your point: Not available.

Section 10. St- ' iitlm- nd re- ctiQtm

- 2e- ctiQtm: No specific test data related to reactivity available for this product or its ingredients.
- wbeg ic- hst- ' iitlm: The product is stable.
- yossi' iitmf b- C rdous: Under normal conditions of storage and use, hazardous reactions will not occur.
- re- ctions: No specific data.
- wonditions to - Oid: No specific data.
- /ncog p- ti' fe g - terl- fs: Not available.
- H- C rdous decog position: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Tokicohol ic- hinforg - tion

/nfor- tion on tokicohol ic- heffects

Acute tokicitm

y roductbml redient n- g e	2 esult	Species	Dose	Ekposure
2,3-didehydro-3-O-sodio-D-erythro-hexono-1,4-lactone	LD50 Oral	Rat	>5 g/kg	-

wonchusion>Sug g - rm: No known significant effects or critical hazards.

/rrit- tion>corrosion

SRn

Enes

2 espir- torm

Sensitis- tion

SRn

2 espir- torm

%ut- l enicitm

wonchusion>Sug g - rm

w- rcinol enicitm

wonchusion>Sug g - rm

2 eproductiOa tokicitm

wonchusion>Sug g - rm

Ter- tol enicitm

Not available.

Specific t- rl et orl - n tokicitm)sinl fe ekposure3

Not available.

Specific t- rl et orl - n tokicitm)repe- ted ekposure3

Not available.

Aspir- tion b- C- rd

Not available.

Section 11. Tokicobol ic- hinforg - tion

/niforg - tion on lifelmroutes : Not available.

Yotentil- h- cute be- ltb effects

Enne cont- ct : No known significant effects or critical hazards.

/nib- h tion : No known significant effects or critical hazards.

SRn cont- ct : No known significant effects or critical hazards.

/nI estion : No known significant effects or critical hazards.

Sing plog s relhted to the pbrnic- lrbeg ic- h- nd tokicobol ic- hcb- r- cteristics

Enne cont- ct : No specific data.

/nib- h tion : No specific data.

SRn cont- ct : No specific data.

/nI estion : No specific data.

Deb ned - nd ig g edi- te effects - s v elth- s cbronic effects frog sbort - nd hnl lterg ekposure

Short terg ekposure

yotentil- hig g edi- te effects : Not available.

yotentil- hdeh ned effects : Not available.

Zonl terg ekposure

yotentil- hig g edi- te effects : Not available.

yotentil- hdeh ned effects : Not available.

yotentil- hcbronic be- ltb effects

Not available.

Gener- h : No known significant effects or critical hazards.

w- rcinol enicitm : No known significant effects or critical hazards.

%ut- l enicitm : No known significant effects or critical hazards.

2 eproductiOe tokicitm : No known significant effects or critical hazards.

5 ug eric- hg e- sures of tokicitm

Acute tokicitmestig - tes

N/A

Section 1z. Ecobol ic- hinforg - tion

Tokicitm

wonchusion\Sug g - rm : No known significant effects or critical hazards.

yersistence - nd del r- d- ' ititm : Not available.

wonchusion\Sug g - rm : Not available.

9 lo- ccug uh tiOe potenti- h : Not available.

Not available.

%o' ititmin solh : Not available.

(tber - dOerse effects : No known significant effects or critical hazards.

Section 1P. Dispos- hconsider- tions

Dispos- hg etbods : Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 1M Tr- nsport inforg - tion

2el uh torm inforg - tion	65 nug ' er yroper sbippinl n- g e	Tr- nsport b- C- rd ch ss)es3	yG'	7- ' eh
65 wh ss	Not regulated.	-	-	
%DG wh ss	Not regulated.	-	-	
/ATA wh ss	Not regulated.	-	-	

PG* : Packing group

2el uh torm inforg - tion	EnOng ent- h b- C- rds	Speci- hprec- utions for user	Addition- h inforg - tion
65 wh ss	No.	Tr- nsport v itbin user, s preg ises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.	-
%DG wh ss	No.	Tr- nsport v itbin user, s preg ises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.	-
/ATA wh ss	No.	Tr- nsport v itbin user, s preg ises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.	-

Tr- nsport in ' uIR- ccordinl : Not available.

to %%(instrug ents

Section 1U 2el uh torminforg - tion

H- rg fuwhbeg ic- lts 7ist : Not listed

/Intern- tion- hrel uh tions

wbeg ic- hWe- pon wonOention 7ist Scedules /g/ & ///wbeg ic- lts

Not listed.

%ontre- hyrotocoh

Not listed.

StocRoing wonOention on verisistent (rl - nic.yoltut- nts

Not listed.

2 ottord-g wonQontion on yrior /nforng ed wonsent y/w3

Not listed.

6.5EWE A-rbus yrotocohon Y/ y-s -nd He-Qm%et-ls

Not listed.

Section 1L (tber inforng - tion

<u>Histor</u>	
D-te of issueX-te of reQsion	: 9 April 2024
D-te of preQous issue	: 10 March 2023
Version	: 1.03
Kemto -'' reQ-tions	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) N/A = Not available SGG = Segregation Group UN = United Nations

y procedure used to deriQe tbe ch ssific-tion	
Not classified.	wh ssific- tion
Justific- tion	

2 eferences

📄 /indic-tes inforng - tion tb-t b-s cb-nl ed frog preQousimissued Qersion.

5 office to re-der

This inforng - tion reh tes onimto tbe specific g -teri-hdesil n-ted -nd g -mnot ' e Q-hd for subg -teri-hused in cog 'in- tion v itb -nmotber g -teri-ts or in - nmprocess. Subc inforng -tion isqto tbe ' est of tbe cog p-nmæ Rnov ledl e -nd ' ellefq-ccur-te -nd reh-' le-s of tbe d-te indic-ted. Hov eQarqno v -rr- ntml u-r- ntee or represent- tion is g -de to its -ccur-cnqreh-' ilittmor cog pleteness. It is tbe useræ responsi' iittmto s-tisfm big self -s to tbe suit- ' ilittmof subc inforng -tion for bis ov n p-rticulæ r use.

แท่นเจาะ-1.8 รายการการฝึกอบรมและขีดความสามารถของพนักงานที่ปฏิบัติงาน

Internal - Rig Based Training													Marine License Requirement																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Shelf Drilling Training Matrix			Drilling	Marine	Maintenance	HSE	Drilling	Marine	Maintenance	HSE	Emergency Response	Marine License Requirement																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Training Course/Requirement			Assistant Driller OJT - (TM-DL-O-ADL)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

Thailand's Regulation										Thailand Specific Training Requirements										
										External - Shore Based Training										
X										X	X	X	X	X	X	X	X	X	X	Rigging and Slinging (Offshore) - 1st time training at TPTI (3 Y) - Renew as API certificate (4 Y)
X	X		X							X										Working at Heights and rescue Training according to Announcement of The Department of Labour Protection and Welfare on Criteria Procedures and Training Curriculum on Occupational Safety in Construction B.E.2551/2555 (A.D.2008/2012) - - Basic Working at Height & Rescue (Offshore)
																				Scaffolding Training according to Announcement of The Department of Labour Protection and Welfare on Criteria Procedures and Training Curriculum on Occupational Safety in Construction B.E.2551/2555 (A.D.2008/2012) - Basic Scaffolding Course (Offshore)
																				Scaffolding Inspector Training according to Announcement of The Department of Labour Protection and Welfare on Criteria Procedures and Training Curriculum on Occupational Safety in Construction B.E.2551/2555 (A.D.2008/2012) - Scaffolding Inspection Course (Offshore)
																				Forklift Operator Training according to Ministerial Regulation on Administration and Management of the Aspect of Occupational Safety and Health and Working Environment relating to Machines, Cranes and Boilers. B.E.2552 (A.D. 2009) - Forklift Operator Course
																				Crane Operator Training according to Ministerial Regulation on Administration and Management of the Aspect of Occupational Safety and Health and Working Environment relating to Machines, Cranes and Boilers. B.E.2552 (A.D. 2009) - 1st time training at TPTI (3 Y): Basic Offshore Crane Operator (DMF require for 1st time training only - Level 1) - Renew/ Re-train it can be API certificate (4 years)
X																				Welder Training and Welder Qualification Testing according to Ministerial Regulation on Administration and Management of the Aspect of Occupational Safety and Health and Working Environment relating to Machines, Cranes and Boilers. B.E.2552 (A.D. 2009) - 6G Welder Training and Qualification Testing
	X										X	X	X	X	X	X	X	X	X	HAZMAT Training according to Ministerial Regulation on the Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Hazardous Chemicals, B.E.2556 (A.D. 2013). - HAZMAT Awareness Training (include Emergency Response Team) Course
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	HAZMAT Training according to Ministerial Regulation on the Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Hazardous Chemicals, B.E.2556 (A.D. 2013). - HSE OJT - Chapter 3. Safety Tools - HAZCOM
	X	X	X																	Basic Electrical knowlegde conducted by Department of Labour Protection and Welfare according to Promotion of labour skills development ACT (No.2), B.E.2557 (2014)
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Fire Training - HSE OJT - Chapter 4. General topics - Fire Watcher
																				Authorized Gas Tester Training for Hot Work/Confine Space Entry/Mercury Monitoring (AGT Level 2 or above) - PTTEP renews 5 yrs - CVX renews 3 yrs
																				Air Tugger / Winch Operator Training (OJT of Installation specific equipment)
																				Dangerous Goods by Air (CAT 14) - (Client Requirement for HLO & HAD Team)
																				Dangerous Goods by Air (CAT 15) - (Client Requirement for Radio Operator)
																				Helideck Deck Assistant (Client requirement for HAD Team)
																				Helicopter Emergency Crew (Client requirement for HAD Team)
																				Helicopter Refuelling Training (Client Requirement for HLO & HAD Team)
																				Helicopter Familiarization Training (Client Requirement for HLO & HAD Team) - Training provided by Thai Aviation Service (TAS)
																				Mercury Awareness Training (Client requirement as per Mercury Handling Procedure) - Training provided by Chevron Settapat Center - No more training at Settapat, need to request CVX HSE conduct in house training fro the crew.
																				Advanced First Aid (Client requirement for HLO Team)
																				First Aid Training for Emergency Response Team as per ERP - Train by Rig Medic as per Company's Offshore Emergency Response Policy

SHELF
DRILLING

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6		5		4		3		2		1														
D	FIRE INTEGRITY				FIREFIGHTING EQUIPMENT				FIREFIGHTING EQUIPMENT				LIFE-SAVING EQUIPMENT											
	SYMBOL	QTY.	DESCRIPTION		SYMBOL	QTY.	DESCRIPTION		SYMBOL	QTY.	DESCRIPTION		SYMBOL	QTY.	DESCRIPTION									
		–	A0–CLASS DIVISION/BULKHEAD			39	WATER FIRE HOSE AND NOZZLES = FIRE STATION (INCLUDES FIRE HYDRANT)(HOSE LENGTH = 50')			1	EMERGENCY GENERATOR			6	EMERGENCY EYE WASH									
		–	B15–CLASS DIVISION			2	FOAM FIRE HOSE AND NOZZLE			1	RADIO STATION (BACK UP)			4	EMERGENCY SHOWER									
		–	STEEL BULKHEAD			1	FIRE / FOAM / DELUGE PUMP			2	FIRE AXE			12	EMERGENCY ESCAPE BREATHING DEVICES (EEBD)									
C		–	A–60 CLASS STRUCTURAL FIRE DECK			1	BILGE / BALLAST / FIRE PUMP			15	SELF-CONTAINED BREATHING APPARATUS (SCBA)													
		–	A–0 CLASS STRUCTURAL FIRE DECK			1	CO2 BATTERY			3	FIRE LOCKER													
		–	A–CLASS HINGED SELF CLOSING FIRE DOOR GT=GAS TIGHT			6	FUEL OIL TANK QUICK CLOSING VALVE																	
		–	A–CLASS HINGED FIRE DOOR			4	LUBE OIL TANK QUICK CLOSING VALVE																	
		–	B–CLASS HINGED SELF CLOSING FIRE DOOR			2	VALVE FOR WATER DELUGE																	
B	FIREFIGHTING EQUIPMENT				FIREFIGHTING EQUIPMENT				FIREFIGHTING EQUIPMENT				FIREFIGHTING EQUIPMENT				FIREFIGHTING EQUIPMENT							
	SYMBOL	QTY.	DESCRIPTION		SYMBOL	QTY.	DESCRIPTION		SYMBOL	QTY.	DESCRIPTION		SYMBOL	QTY.	DESCRIPTION		SYMBOL	QTY.	DESCRIPTION					
		2	INTERNATIONAL SHORE CONNECTION			5	LIFEBOAT (60 MEN)			1	RESCUE BOAT													
		10	FIRE PROTECTION PLAN			4	REMOTE CONTROL FOR FIRE DAMPER IN ACCOMMODATION AND SERVICE SPACES			6	25 MEN LIFE RAFT (SELF-INFLATING)													
		1	FIRE AND GAS EMERGENCY SHUTDOWN CONTROL PANEL			4	REMOTE CONTROL FOR FIRE DAMPER IN MACHINERY SPACES			10	LIFEJACKET STORAGE BOX (QUANTITY PER BOX = 20) (QUANTITY PER BOX = 20) TOTAL = 200													
A		1	FIRE & GAS ALARM MONITORING PANEL			18	FIRE DAMPER ACCOMMODATION OR SERVICE SPACES			370	LIFEJACKET (INCLUDES QTY SHOWN IN LJ STORAGE BOXES)													
		1	FIRE & GAS DETECTION ALARM REPEATER			11	FIRE DAMPER FOR MACHINERY SPACE			4	LIFE BUOY WITH LINE													
		3	CONTROL STATION			4	VENTILATION SHUTDOWN FOR MACHINERY SPACE			5	LIFE BUOY WITH LIGHT													
		–	SPACES PROTECTED BY CO2 FIRE-EXTINGUISHING SYSTEM			2	VENTILATION SHUTDOWN FOR ACCOMMODATION SPACE			2	LIFE BUOY WITH LIGHT AND SMOKE													
		–	SPACES PROTECTED BY DELUGE SYSTEM			2	MAIN ENGINE SHUTDOWN			2	FIRST AID BOX													
D		–	SPACES PROTECTED BY FOAM FIRE-EXTINGUISHING SYSTEM			4	FUEL/OIL PUMP SHUTDOWN INCLUDING – FUEL OIL TRANSFER PUMP SHUTDOWN, BASE OIL PUMP SHUTDOWN & DIRTY OIL PUMP SHUTDOWN			2	STRETCHER													
		–	SPACE MONITORED BY SMOKE DETECTOR			3	ABANDON VESSEL SHUTDOWN (AVS)			1	LINE THROWING APPARATUS													
		–	SPACE MONITORED BY HEAT DETECTOR			3	REMOTE CONTROL FOR FUEL OIL QUICK CLOSING VALVE			1	PERSONNEL TRANSFER NET (FOR 6 PERSONS)													
		–	SPACE MONITORED BY GAS DETECTOR(S) (C=COMBUSTABLE, H=H2S)			2	REMOTE CONTROL FOR LUBE OIL QUICK CLOSING VALVE			2	EMBARKATION LADDER													
		3	MEDIC ALARM			3	REMOTE CONTROL FOR FIRE/FOAM/DELUGE/PUMP			3	ESCAPE LADDER (IN ELEVATED POSITION)													
C		4	PUSH BUTTON FOR WATER DELUGE RELEASE			27	CO2 EXTINGUISHER (5 KG)			9	S.A.R.T.(SEARCH AND RESCUE RADAR TRANSPONDER)													
		1	FLASHLIGHT FOR WET CHEMICAL RELEASE			2	DRY POWDER EXTINGUISHER (12 KG)			1	EPHBB (EMERGENCY POSITION INDICATING RADIO BEACON)													
		1	WET CHEMICAL SYSTEM ALARM BEACON & HORN			59	DRY POWDER EXTINGUISHER (6 KG)			1 SET	12 PCS PARACHUTE ROCKET SIGNAL													
		1	MEDIC SIREN			3	DRY POWDER EXTINGUISHER (4 KG)			9	SURVIVAL CRAFT PORTABLE RADIO													
		17	CO2 HORN			3	DRY POWDER EXTINGUISHER (2.5 KG)			–	PRIMARY ESCAPE ROUTE													
B		14	BEACON FOR FIRE & GAS/H2S GAS/GENERAL/ABANDON VESSEL			1	CO2 WHEELED FIRE EXTINGUISHER (23 KG)			–	SECONDARY ESCAPE ROUTE													
		1	FLASHLIGHT FOR HOSPITAL CALL BELL			3	DRY POWDER WHEELED FIRE EXTINGUISHER (25 KG)			5	MUSTER STATION													
		17	FLASHLIGHT FOR CO2 RELEASE			1	DRY POWDER WHEELED FIRE EXTINGUISHER (50 KG)			1	FOAM FIRE EXTINGUISHER (9 L)													
		80	MANUAL CALL STATION			9	FOAM FIRE EXTINGUISHER (9 L)			1	FOAM WHEELED FIRE EXTINGUISHER (45 L)													
		3	FIRE BLANKET			1	FOAM WHEELED FIRE EXTINGUISHER (45 L)			1	HELICOPTER CRASH BOX													
A		1	AIR COMPRESSOR (FOR BREATHING DEVICES)			3	PUSH BUTTON SWITCH FOR GENERAL ALARM			1														
		1	FOAM MONITOR																					

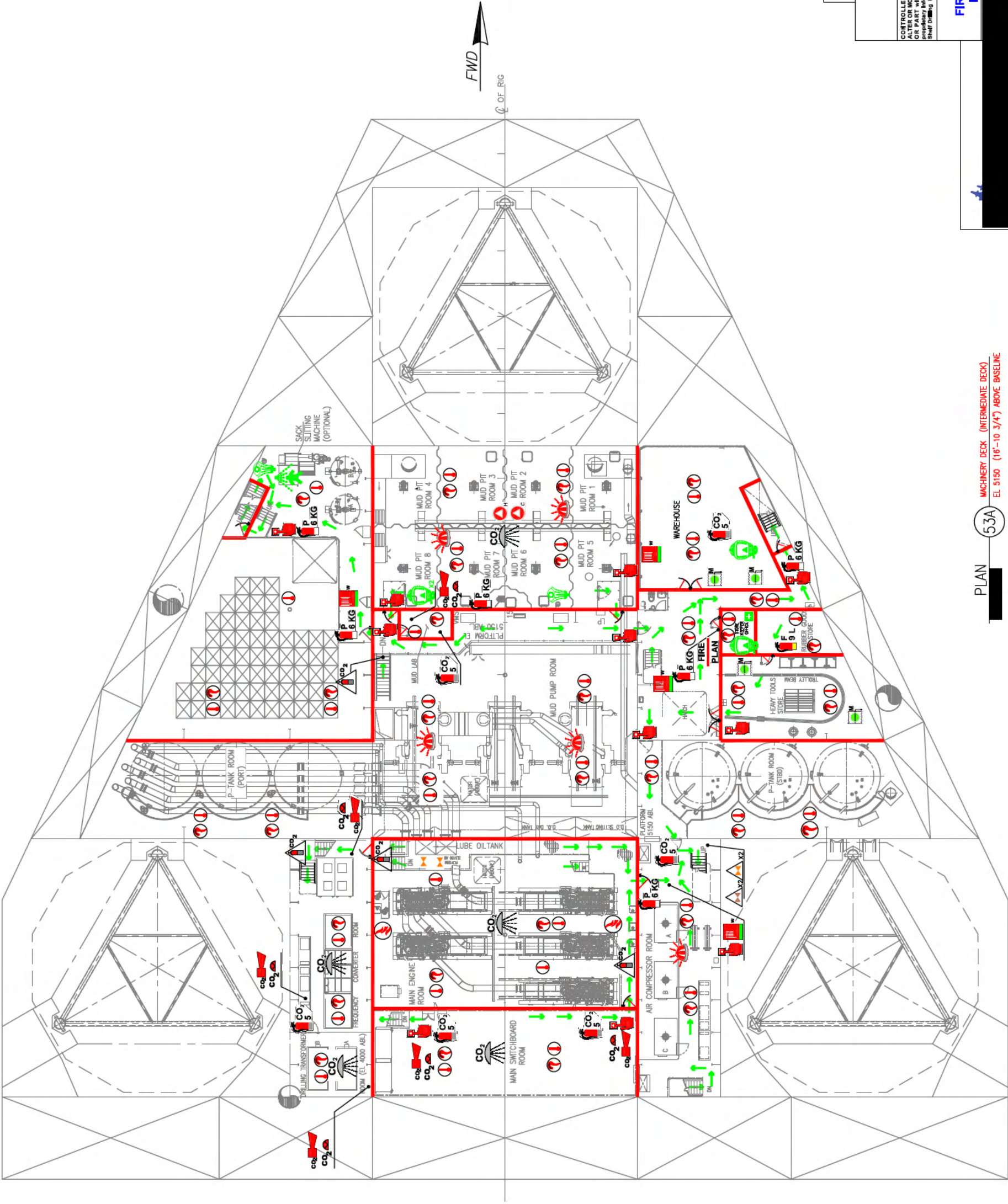
6		5		4		3		2		1										
D	FIRE INTEGRITY				FIREFIGHTING EQUIPMENT				FIREFIGHTING EQUIPMENT				LIFE-SAVING EQUIPMENT							
	SYMBOL	QTY.	DESCRIPTION		SYMBOL	QTY.	DESCRIPTION		SYMBOL	QTY.	DESCRIPTION		SYMBOL	QTY.	DESCRIPTION					
		–	A0–CLASS DIVISION/BULKHEAD			39	WATER FIRE HOSE AND NOZZLES = FIRE STATION (INCLUDES FIRE HYDRANT)(HOSE LENGTH = 50')			1	EMERGENCY GENERATOR			6	EMERGENCY EYE WASH					
		–	B15–CLASS DIVISION			2	FOAM FIRE HOSE AND NOZZLE			1	RADIO STATION (BACK UP)			4	EMERGENCY SHOWER					
		–	STEEL BULKHEAD			1	FIRE / FOAM / DELUGE PUMP			2	FIRE AXE			12	EMERGENCY ESCAPE BREATHING DEVICES (EEBD)					
C		–	A–60 CLASS STRUCTURAL FIRE DECK			1	BILGE / BALLAST / FIRE PUMP			15	SELF-CONTAINED BREATHING APPARATUS (SCBA)									
		–	A–0 CLASS STRUCTURAL FIRE DECK			1	CO2 BATTERY			3	FIRE LOCKER									
		–	A–CLASS HINGED SELF CLOSING FIRE DOOR GT=GAS TIGHT			6	FUEL OIL TANK QUICK CLOSING VALVE													
		–	A–CLASS HINGED FIRE DOOR			4	LUBE OIL TANK QUICK CLOSING VALVE													
		–	B–CLASS HINGED SELF CLOSING FIRE DOOR			2	VALVE FOR WATER DELUGE													
B	FIREFIGHTING EQUIPMENT				FIREFIGHTING EQUIPMENT				FIREFIGHTING EQUIPMENT				FIREFIGHTING EQUIPMENT				FIREFIGHTING EQUIPMENT			
	SYMBOL	QTY.	DESCRIPTION		SYMBOL	QTY.	DESCRIPTION		SYMBOL	QTY.	DESCRIPTION		SYMBOL	QTY.	DESCRIPTION		SYMBOL	QTY.	DESCRIPTION	
		2	INTERNATIONAL SHORE CONNECTION			5	LIFEBOAT (60 MEN)			1	RESCUE BOAT									
		10	FIRE PROTECTION PLAN			4	REMOTE CONTROL FOR FIRE DAMPER IN ACCOMMODATION AND SERVICE SPACES			6	25 MEN LIFE RAFT (SELF-INFLATING)									
		1	FIRE AND GAS EMERGENCY SHUTDOWN CONTROL PANEL			4	REMOTE CONTROL FOR FIRE DAMPER IN MACHINERY SPACES			10	LIFEJACKET STORAGE BOX (QUANTITY PER BOX = 20) (QUANTITY PER BOX = 20) TOTAL = 200									
A		1	FIRE & GAS ALARM MONITORING PANEL			18	FIRE DAMPER ACCOMMODATION OR SERVICE SPACES			370	LIFEJACKET (INCLUDES QTY SHOWN IN LJ STORAGE BOXES)									
		1	FIRE & GAS DETECTION ALARM REPEATER			11	FIRE DAMPER FOR MACHINERY SPACE			4	LIFE BUOY WITH LINE									

D

C

B

A



SEE SHEET (1) FOR
GENERAL NOTES AND REVISIONS

SHELF DRILLING

UAE, Dubai
Technical Services

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**SHELF
DRILLING**

SHELF DRILLING ENTERPRISE
FIREFIGHTING AND LIFE SAVING PLAN
INTERMEDIATE DECK EL 5150 ABL

PLAN **53A** **MACHINERY DECK (INTERMEDIATE DECK)**
EL 5150 (16'-10 3/4") ABOVE BASELINE

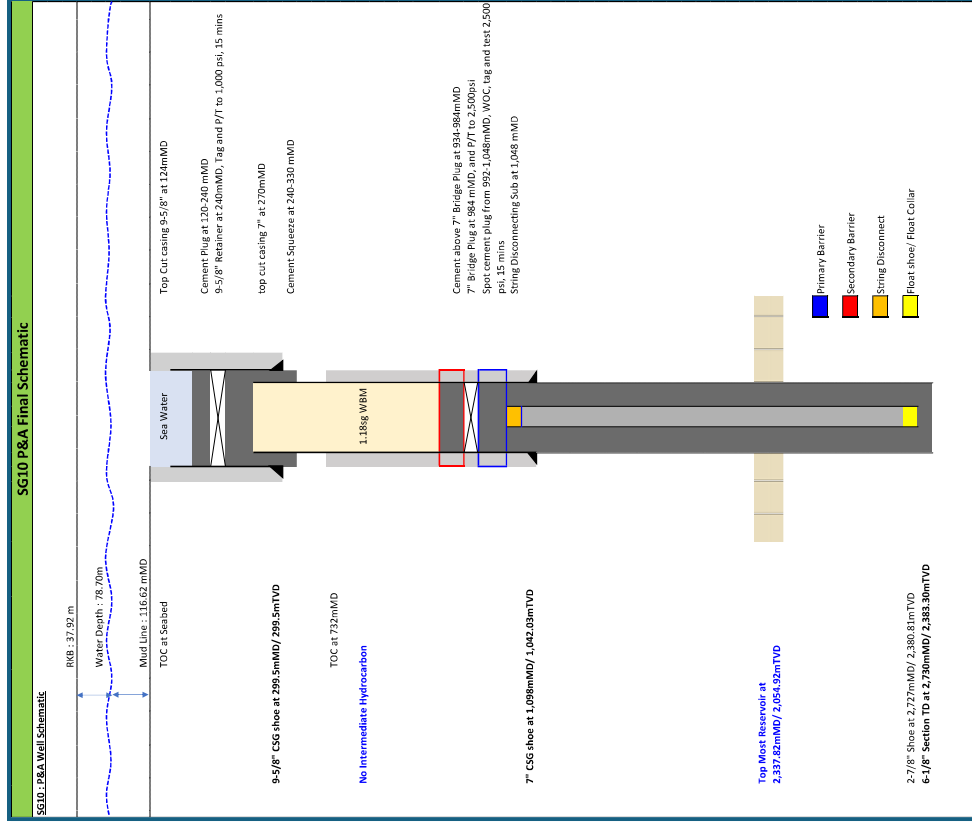


PTTEP

PTT Exploration and Production Public Company Limited

PLUG AND ABANDONMENT PROGRAM FOR A/E WELL SG10

DRILLING OPERATIONS SECTION,
THAI OFFSHORE WELL OPERATIONS DEPARTMENT



SG10 PnA well schematic

Rig SDE : RKB-MSL = 37.92 m, Water depth 78.7 m, Mudline at 116.62 m

ภาคผนวกแทนเจาะ-2

ใบรับรองการตรวจสอบแทนเจาะ



INTERNATIONAL SEWAGE POLLUTION PREVENTION CERTIFICATE

Certificate No.: 07160565-4099242-047
REPUBLIC OF LIBERIA
MINISTRY OF FINANCE
Bureau of Maritime Affairs

Issued under the provisions of
the International Convention for the Prevention of Pollution from Ships, 1973
as modified by the Protocol of 1978 relating thereto,
and as amended by resolution MEPC.115(51), (hereinafter referred to as "the Convention")
under the authority of the Government of:

Republic of Liberia
(name of state)

by American Bureau of Shipping

Particulars of Ship:			
Name of ship	Distinctive number or letters	Port of Registry	
SHELF DRILLING ENTERPRISE	19767 DSWB4	Monrovia	
Gross tonnage	Number of persons which the ship is certified to carry	IMO Number ¹	
9985	150	8768309	

New Ship / ~~Existing Ship~~
Type of ship for the application of regulation 11.3.*

~~New / Existing Passenger Ship~~

Ship other than a passenger ship

Date on which keel was laid or ship was at a similar stage of construction or where applicable, date on which work for a conversion or an alteration or modification of a major character was commenced 19 November 2005

THIS IS TO CERTIFY:

(1) That the ship is equipped with a Sewage Treatment Plant / ~~Commimenter Holding Tank~~* and a discharge pipeline in compliance with regulations 9 and 10 of Annex IV of the Convention as follows:

* (1.1) Description of the sewage treatment plant :

Type of sewage treatment plant Unit No. 1: EVAC STP-125 / Unit No. 2: Enhanced Super Trident, RTC40-14

Name of manufacturer EVAC OY / Wartsila Water Systems Ltd.

The sewage treatment plant is certified by the Administration to meet the effluent standards as provided for in resolution MEPC.2(VI).

Sewage treatment plant Unit No. 2: Enhanced Super Trident, RTC40-14 meets the effluent standards as provided for in MEPC.227(64), as amended, excluding the standards of section 4.2 thereof.

~~(1.2) Description of commimenter~~

Type of commimenter N/A

Name of manufacturer N/A

Standard of sewage after disinfection N/A

~~(1.3) Description of holding tank~~

Total capacity of the holding tank N/A m³

Location N/A

(1.4) A pipeline for the discharge of sewage to a reception facility, fitted with a standard shore connection.

* Delete as appropriate

¹ In accordance with resolution A.602(19) IMO Ship Identification Number Scheme, this information may be included voluntarily

ISPPC

REV 103.00

Page 1 of 3

Certificate No.: 07160565-4099242-047

(2) The ship has been surveyed in accordance with regulation 4 of Annex IV of the Convention.

(3) That the survey shows that the structure, equipment, systems, fittings, arrangements and material of the ship and the condition thereof are in all respects satisfactory and the ship complies with the applicable requirements of Annex IV of the Convention.

N/A

This certificate is valid until 01 October 2025 ² subject to surveys in accordance with regulation 4 of Annex IV of the Convention.

Completion date of the survey on which this certificate is based: 02 October 2020

Issued at Singapore, Singapore on 02 October 2020



Electronically Signed By
Yip, Jiaoping, Singapore Port
(Surveyor, American Bureau of Shipping)

² Insert the date of expiry as specified by the Administration in accordance with regulation 8.1 of Annex IV of the Convention. The day and the month of this date correspond to the anniversary date as defined in regulation 1.8 of Annex IV of the Convention.

ISPPC

REV 103.00

Page 2 of 3

Endorsement to extend the Certificate if valid for less than 5 years where regulation 8.3 applies.
The ship complies with the relevant provisions of the Convention, and this Certificate shall, in accordance with regulation 8.3 of Annex IV of the Convention, be accepted as valid until _____.

Signed: _____
(Signature of authorized official)

Place: _____

Date: _____

(Seal or Stamp of the authority, as appropriate)

Endorsement where the renewal survey has been completed and regulation 8.4 applies.
The ship complies with the relevant provisions of the Convention, and this Certificate shall, in accordance with regulation 8.4 of Annex IV of the Convention, be accepted as valid until _____.

Signed: _____
(Signature of authorized official)

Place: _____

Date: _____

(Seal or Stamp of the authority, as appropriate)

Endorsement where the renewal survey has been completed and regulation 8.5 or 8.6 applies.
This Certificate shall, in accordance with regulation 8.5 or 8.6 of Annex IV of the Convention, be accepted as valid until _____.

Signed: _____
(Signature of authorized official)

Place: _____

Date: _____

(Seal or Stamp of the authority, as appropriate)





INTERNATIONAL OIL POLLUTION PREVENTION CERTIFICATE

(This Certificate shall be supplemented by a Record of Construction and Equipment)

Certificate No.: 07160565-4098242-046

REPUBLIC OF LIBERIA
MINISTRY OF FINANCE
Bureau of Maritime Affairs

Issued under the Provisions of the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto and as amended, (hereinafter referred to as "the Convention") under the authority of the Government of

Republic of Liberia
(name of state)

by American Bureau of Shipping

Name of Ship	Distinctive Number or Letters	Port of Registry
SHELF DRILLING ENTERPRISE	19767 D5WB4	Monrovia
Gross Tonnage ¹	Maximum Deadweight of Ship (metric tons) ⁴	IMO Number
9985		8768309

Type of Ship¹:

~~Oil Tanker~~

~~Ship other than an oil tanker with cargo tanks coming under Regulation 2(2) of Annex I of the Convention~~
Ship other than any of the above

THIS IS TO CERTIFY:

- That the ship has been surveyed in accordance with Regulation 6 of Annex I of the Convention;
- That the survey shows that the structure, equipment, systems, fittings, arrangement and material of the ship and the condition thereof are in all respects satisfactory and that the ship complies with the applicable requirements of Annex I of the Convention.

This Certificate is valid only when Supplement Form A issued at
on 02 October 2020 is attached. Singapore

This certificate is valid until 01 October 2025 ⁵ subject to surveys in accordance with Regulation 6 of Annex I of the Convention.

Completion date of the survey on which this certificate is based: 02 October 2020
Issued at Singapore on 02 October 2020 (Date of issue)



Electronically Signed By
Yip, Jialing, Singapore Port
Surveyor, American Bureau of Shipping

1 Delete as appropriate
2 The above gross tonnage has been determined in accordance with the International Convention on Tonnage Measurement of Ships, 1969.
3 The above deadweight has been determined in accordance with the International Convention on Tonnage Measurement of Ships, 1969.
4 For oil tankers.
5 Insert the date of expiry as specified by the Administration in accordance with regulation 10.1 of Annex I of the Convention. The day and the month of date corresponds to the anniversary date as defined in regulation 1.27 of Annex I of the Convention, unless amended in accordance with regulation 10.8 of Annex I of the Convention.



1 Delete as appropriate

Certificate No.: 07160565-4098242-046

ENDORSEMENT FOR ANNUAL AND INTERMEDIATE SURVEYS

THIS IS TO CERTIFY that, at a survey required by Regulation 6 of Annex I of the Convention, the ship was found to comply with the relevant requirements of the Convention.

Annual Survey:

Signed: SOLATT, BANGKOK
(Surveyor, American Bureau of Shipping)
Place: OFFSHORE, GULF OF THAILAND
Date: 29 SEPTEMBER 2021

Annual / Intermediate¹ Survey:

Signed: P. J. J. P. N. N. N. N.
(Surveyor, American Bureau of Shipping)
Place: OFFSHORE, GULF OF THAILAND
Date: 07 OCTOBER 2022

Annual / Intermediate¹ Survey:

Signed: ARUN P.
(Surveyor, American Bureau of Shipping)
Place: Offshore, Gulf of Thailand
Date: 05 - OCT - 2023

Annual Survey:

Signed: CHANCHAI C. BANGKOK
(Surveyor, American Bureau of Shipping)
Place: OFFSHORE, GULF OF THAILAND
Date: 24 SEPTEMBER 2024

ANNUAL / INTERMEDIATE SURVEY IN ACCORDANCE WITH REGULATION 10.8.3

THIS IS TO CERTIFY that, at an annual / intermediate¹ survey in accordance with Regulation 10.8.3 of Annex I of the Convention, the ship was found to comply with the relevant provisions of the Convention.

Signed: _____
(Surveyor, American Bureau of Shipping)
Place: _____
Date: _____

**ENDORSEMENT TO EXTEND THE CERTIFICATE IF VALID FOR LESS THAN 5 YEARS
WHERE REGULATION 10.3 APPLIES**

The ship complies with the relevant provisions of the Convention, and this Certificate shall, in accordance with Regulation 10.3 of Annex I of the Convention, be accepted as valid until _____

Signed: _____
(Surveyor, American Bureau of Shipping)
Place: _____
Date: _____

**ENDORSEMENT WHERE THE RENEWAL SURVEY HAS BEEN COMPLETED
AND REGULATION 10.4 APPLIES**

The ship complies with the relevant provisions of the Convention, and this Certificate shall, in accordance with Regulation 10.4 of Annex I of the Convention, be accepted as valid until _____

Signed: _____
(Surveyor, American Bureau of Shipping)
Place: _____
Date: _____

**ENDORSEMENT TO EXTEND THE VALIDITY OF THE CERTIFICATE UNTIL REACHING THE PORT OF
SURVEY OR FOR A PERIOD OF GRACE WHERE REGULATION 10.5 OR 10.6 ¹ APPLIES**

This Certificate shall, in accordance with regulation 10.5 /10.6 ¹ of the Convention, be accepted as valid until _____

Signed: _____
(Surveyor, American Bureau of Shipping)
Place: _____
Date: _____



¹ Delete as appropriate

88 HSSC IOPPC

REV 103.01

Page 3 of 4

**ENDORSEMENT FOR ADVANCEMENT OF ANNIVERSARY DATE
WHERE REGULATION 10.8 APPLIES**

In accordance with Regulation 10.8 of Annex I of the Convention, the new anniversary date is _____

Signed: _____
(Surveyor, American Bureau of Shipping)
Place: _____
Date: _____

In accordance with Regulation 10.8 of Annex I of the Convention, the new anniversary date is _____

Signed: _____
(Surveyor, American Bureau of Shipping)
Place: _____
Date: _____



88 HSSC IOPPC

REV 103.01

Page 4 of 4



Certificate No.: 07160565-5876314-057
MOBILE OFFSHORE DRILLING UNIT SAFETY CERTIFICATE (1989)
ISSUED UNDER THE PROVISIONS OF THE IMO CODE FOR
THE CONSTRUCTION AND EQUIPMENT OF MOBILE OFFSHORE DRILLING UNITS, 1989 AS AMENDED
UNDER THE AUTHORITY OF THE GOVERNMENT OF

Republic of Liberia		
Name of State		
By American Bureau of Shipping		
Distinctive Identification (Name or Number)	Type (Section 1.3 of the Code)	Port of Registry
SHELF DRILLING ENTERPRISE	Self Elevating Unit	Monrovia
19767 D5WB4		
8768309		

Date on which keel was laid or unit was at a similar stage of construction or on which major conversion was commenced
19 November 2005

THIS IS TO CERTIFY:

1. That the above-mentioned unit has been duly surveyed in accordance with the applicable provisions of the Code for the Construction and Equipment of Mobile Offshore Drilling Units, 1989.
2. That the survey showed that the structure, equipment, fittings, radio station arrangements and materials of the unit and the condition thereof are in all respects satisfactory and that the unit complies with the relevant provisions of the Code.
3. That the life-saving appliances provide for a total number of 150 persons and no more as follows:
Five (5) rigid totally enclosed motor propelled and fire-protected survival craft of aggregate capacity for 300 persons.
Six (6) survival craft, capable of floating and breaking free in the event of the unit becoming submerged of aggregate capacity for 150 persons.

One (1) rescue boats capable of carrying Six (6) persons.

370 Lifejackets and immersion suits

4. That, in accordance with Section 1.4 of the Code if applicable, the provisions of the Code are modified in respect of the unit in the following manner:

5. That this Unit has been issued with an approval for the continuous survey techniques under paragraph 1.6.4 of the Code in lieu of periodical and intermediate surveys in respect of:

Hull ☐ Machinery ☐

(Signature and Seal of approving authority) (Date of continuous survey programme approval)

Completion date of the survey on which this certificate is based: 02 October 2020

This Certificate is valid until 01 October 2025

- Exempted from the requirements of:
- 3.7.18, Minimum Bow Height and Reserve Buoyancy
 - 10.11.2, Carriage of Immersion Suits and Anti-Exposure Suits
 - 11.5.20, Secondary Radio Station and
 - 13.3.2, Helideck markings as per Civil Aviation Authority CAP 437 Offshore Helicopter Landing Areas, 6th Edition, April 2010.

Issued at Bangkok, Thailand on 01 June 2023
(Place of issue of Certificate) (Date of issue of Certificate)



Electronically Signed By
Phujomdao, Anrut, Bangkok Port
Surveyor, American Bureau of Shipping
(Seal or stamp of the issuing authority, as appropriate)

ENDORSEMENT FOR ANNUAL AND INTERMEDIATE SURVEYS

THIS IS TO CERTIFY that, at a survey under Section 1.6 of the 1989 MODU Code, this unit was found to comply with the relevant provisions of the Code.

Annual Survey:

Signed:

Place:

Date:

REQUIRED SURVEY CARRIED OUT PREVIOUSLY

Annual / ~~intermediate~~¹ Survey:

Signed:

Place:

Date:

REQUIRED SURVEY CARRIED OUT PREVIOUSLY



Annual / Intermediate¹ Survey:

Signed:

Place:

Date:

Anrut P.
(Surveyor, American Bureau of Shipping)
Offshore, Gulf of Thailand
22-DEC-2023

Annual Survey:

Signed:

Place:

Date:

(Surveyor, American Bureau of Shipping)



1 Delete as appropriate.



Rig:
Inspectors:
Job No.:
Register No.:

SD ENTERPRISE
ARUNAL / ALEN
TSI/JN/04-2025/020
TSI/SDE/MPI-A/0225

MPI REGISTER - ACCEPTED

Date:
Instrument & Serial No.:

10-Apr-25

AC YOKE - 202404509

Photo No.	Report No	Inspected Item	Inspected Area	Examination Date	Serial No.	Description	Manufacturer	Model No.	SWL	Location	Comments	Result
1	TSI/SDE/MPI-A/0425/001	Towing Delta Plate	Accessible Areas	16-Apr-2025	FAA 715	Visual inspection and MPI done on accessible areas.	Franklin Offshore	NA	85 t	Bow Towing Line Hang-Off Point	No relevant indications observed at the time of inspection.	Accepted
2	TSI/SDE/MPI-A/0425/002	BOP Lifting Frame	Primary Weld Areas & Padeye Weld Areas	22-Apr-2025	BOP LF - 01	Visual inspection and MPI done on primary weld areas and padeye weld areas.	NA	NA	30 T	BOP Deck - Stbd	No relevant indications observed at the time of inspection.	Accepted
3	TSI/SDE/MPI-A/0425/003	Deep Well tower stopper	Weld Areas	23-Apr-2025	NA	Visual inspection and MPI done on weld areas of deep well tower stopper.	Rig Fabricated	NA	NA	Fwd Leg	No relevant indications observed at the time of inspection.	Accepted
4	TSI/SDE/MPI-A/0425/004	Deep Well tower stopper	Weld Areas	24-Apr-2025	NA	Visual inspection and MPI done on weld areas of deep well tower stopper.	Rig Fabricated	NA	NA	Port Leg	No relevant indications observed at the time of inspection.	Accepted
5	TSI/SDE/MPI-A/0425/005	Deep Well tower stopper	Weld Areas	25-Apr-2025	NA	Visual inspection and MPI done on weld areas of deep well tower stopper.	Rig Fabricated	NA	NA	Stbd Leg	No relevant indications observed at the time of inspection.	Accepted
6	TSI/SDE/MPI-A/0425/006	BOP Hoist Clevis Hook	Exposed Areas	24-Apr-2025	382-3199	Visual inspection and MPI done on exposed areas of hook and pin.	Ingersoll Rand	NA	50 t	Cellar Deck - Port Fwd BOP RB-01	No relevant indications observed at the time of inspection.	Accepted
7	TSI/SDE/MPI-A/0425/007	BOP Hoist Clevis Hook	Exposed Areas	24-Apr-2025	382-32483	Visual inspection and MPI done on exposed areas of hook and pin.	Ingersoll Rand	NA	50 t	Cellar Deck - Port - Att (BOP RB-02)	No relevant indications observed at the time of inspection.	Accepted
8	TSI/SDE/MPI-A/0425/008	BOP Hoist Clevis Hook	Exposed Areas	25-Apr-2025	NA	Visual inspection and MPI done on exposed areas of hook and pin.	Ingersoll Rand	NA	50 t	Platform - Stbd - Fwd BOP RB-01	No relevant indications observed at the time of inspection.	Accepted
9	TSI/SDE/MPI-A/0425/009	BOP Hoist Clevis Hook	Exposed Areas	25-Apr-2025	NA	Visual inspection and MPI done on exposed areas of hook and pin.	Ingersoll Rand	NA	50 t	Platform - Stbd - Att (BOP RB-02)	No relevant indications observed at the time of inspection.	Accepted
10	TSI/SDE/MPI-A/0425/010	Casing Stopper	Primary Weld Areas & Padeye Weld Areas	29-Apr-2025	NA	Visual inspection and MPI done on primary weld areas and padeye weld areas.	NA	NA	NA	Canilever	No relevant indications observed at the time of inspection.	Accepted
11	TSI/SDE/MPI-A/0425/011	Pneumatic Hoist Bottom Hook	Exposed Areas	25-Apr-2025	NA	Visual inspection and MPI done on exposed areas of hook.	Ingersoll Rand	NA	8 t	Platform - Stbd	No relevant indications observed at the time of inspection.	Accepted
12	TSI/SDE/MPI-A/0425/012	Pneumatic Hoist Bottom Hook	Exposed Areas	25-Apr-2025	NA	Visual inspection and MPI done on exposed areas of hook.	Ingersoll Rand	NA	8 t	Platform - Port	No relevant indications observed at the time of inspection.	Accepted
13	TSI/SDE/MPI-A/0425/013	Drum Lifter	Weld Areas	23-Apr-2025	411660	Visual inspection and MPI done on weld areas of drum lifter.	Morse	NA	1000 lbs	Main Deck	No relevant indications observed at the time of inspection.	Accepted
14	TSI/SDE/MPI-A/0425/014	Drum Lifter	Weld Areas	23-Apr-2025	410783	Visual inspection and MPI done on weld areas of drum lifter.	Morse	NA	1000 lbs	Main Deck	No relevant indications observed at the time of inspection.	Accepted
15	TSI/SDE/MPI-A/0425/015	Fork Lift	Fork Arm	3-May-2025	251AC-2675	Visual inspection and MPI done on 90° fork arm.	Caterpillar	EP30CA1	2750 Kg	Sack Room	No relevant indications observed at the time of inspection.	Accepted
16	TSI/SDE/MPI-A/0425/016	Pneumatic Hoist Hooks	Exposed Areas	21-Apr-2025	2020-H104C	Visual inspection and MPI done on exposed areas of hooks.	TOKU	TCR-2000C2	2 t	Under Rigfloor - Slew Jib JDF-SJ-01 - Stbd	No relevant indications observed at the time of inspection.	Accepted
17	TSI/SDE/MPI-A/0425/017	Lever Hoist Hooks and Chain	Exposed Areas	28-Apr-2025	21010528	Visual inspection and MPI done on exposed areas of hooks and chain.	KONDOTEC	KT-L	3 t	Rigging Loft	No relevant indications observed at the time of inspection.	Accepted
18	TSI/SDE/MPI-A/0425/018	Lever Hoist Hooks and Chain	Exposed Areas	16-Apr-2025	780904	Visual inspection and MPI done on exposed areas of hooks and chain.	KITO	LB063	6.3 t	Rigging Loft	No relevant indications observed at the time of inspection.	Accepted
19	TSI/SDE/MPI-A/0425/019	Towing Chain	Full Body	7-May-2025	F 3201	Visual inspection and MPI done on full body of towing chain.	NA	NA	P.L - 3010.6 KN B.L - 4295.3 KN	Main Deck - Alt Port	No relevant indications observed at the time of inspection.	Accepted
20	TSI/SDE/MPI-A/0425/020	Towing Chain	Full Body	7-May-2025	Not Marked	Visual inspection and MPI done on full body of towing chain.	NA	NA	P.L - 3010.6 KN B.L - 4295.3 KN	Main Deck - Alt Stbd	No relevant indications observed at the time of inspection.	Accepted
21	TSI/SDE/MPI-A/0425/021	Towing Chain	Full Body	7-May-2025	W 153	Visual inspection and MPI done on full body of towing chain.	NA	NA	P.L - 3010.6 KN B.L - 4295.3 KN	Main Deck - Fwd Stbd	No relevant indications observed at the time of inspection.	Accepted
22	TSI/SDE/MPI-A/0425/022	Towing Chain	Full Body	7-May-2025	W 154	Visual inspection and MPI done on full body of towing chain.	NA	NA	P.L - 3010.6 KN B.L - 4295.3 KN	Main Deck - Fwd Port	No relevant indications observed at the time of inspection.	Accepted



Rig: SD ENTERPRISE
Inspectors: ARJUNAL / ALEN
Job No.: TSI/JN/04-2025/020
Register No.: TSI/SDE/MPI-A/0225

MPI REGISTER - ACCEPTED

Date: 10-Apr-25
Instrument & Serial No.: AC YOKE - 202404509


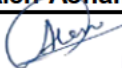
Photo No.	Report No	Inspected Item	Inspected Area	Examination Date	Serial No.	Description	Manufacturer	Model No.	SWL	Location	Comments	Result
23	TSI/SDE/MPI-A/0425/023	Towing Chain	Full Body	7-May-2025	W155	Visual inspection and MPI done on full body of towing chain	NA	NA	P.L - 3010.6 KN B.L - 4295.3 KN	Main Deck - Fwd Mid	No relevant indications observed at the time of inspection.	Accepted
24	TSI/SDE/MPI-A/0425/024	Towing Chain	Full Body	8-May-2025	F 3200	Visual inspection and MPI done on full body of towing chain	NA	NA	P.L - 3010.6 KN B.L - 4295.3 KN	Main Deck - Stbd Mid	No relevant indications observed at the time of inspection.	Accepted
25	TSI/SDE/MPI-A/0425/025	Towing Chain	Full Body	8-May-2025	F 3199	Visual inspection and MPI done on full body of towing chain	NA	NA	P.L - 3010.6 KN B.L - 4295.3 KN	Main Deck - Port Mid	No relevant indications observed at the time of inspection.	Accepted



MAGNETIC PARTICLE INSPECTION REPORTS


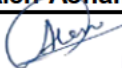
www.tubestar.com

MAGNETIC PARTICLE INSPECTION REPORT

Customer: Shelf Drilling			Report No: TSI/SDE/MPI-A/0425/002		
Rig: Shelf Drilling Enterprise			Job No: TSI/JN/04-2025/020		
Location: Gulf Of Thailand			W.O. No: NA		
P.O. No: [REDACTED]			Date of Report: 10-May-2025		
Items Inspected: BOP Lifting Frame					
Asset ID: BOP LF - 01					
Material: Carbon Steel			Surface Condition: Cleaned to bare metal		
Test Temperature: Ambient			Examination Date: 22-Apr-2025		
Magnetic Particle Test					
Light Levels	Measured Value	unit	Magnetizing Process: Continuous <input checked="" type="checkbox"/> Residual <input type="checkbox"/>		
Visible illumination	Natural Daylight	...	Magnetizing Current:		
UVA illumination	...	µWatts/cm²	Alternating <input checked="" type="checkbox"/> Half Wave <input type="checkbox"/> Direct <input type="checkbox"/>		
Consumables	Make/Type	Batch No.	Magnetizing Coil <input type="checkbox"/> Amp <input type="checkbox"/> Yoke <input checked="" type="checkbox"/>		
White Contrast Paint	WCP-2	01-2250-77	Method: Permanent Magnet <input type="checkbox"/> Daily Lift Check <input checked="" type="checkbox"/>		
Black Magnetic Ink	7HF	220705	Magnetic Field Indicator used		
Wet Fluorescent	...	...	Pie Gauge <input checked="" type="checkbox"/> BC Strip <input type="checkbox"/> Shim <input type="checkbox"/>		
Dry Powder	...	...	Demagnetization: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Procedure No.: W/OPN/03/GEN REV 09			Powder Conc.: 1.8 ml/100ml		
Technique: Wet Visible			Magnetic Particles:		
Other: ASTM E709 - 2021			Dry <input type="checkbox"/> Wet <input checked="" type="checkbox"/>		
			Visible <input checked="" type="checkbox"/> Fluorescent <input type="checkbox"/>		
Scope of Work: Visual inspection and MPI done on primary weld areas and padeye weld areas					
			Serial No: BOP LF - 01 Description: Visual inspection and MPI done on primary weld areas and padeye weld areas Manufacturer: NA Model No: NA Location: BOP Deck - Stbd SWL: 30 T		
Comments:		No relevant indications observed at the time of inspection.			
Result:		Accepted			
Technician: Alen Achankunju		Date: 22-Apr-2025		Clients Rep.:	
Signature: 				Sign:	
ASNT Level II Cert. No. [REDACTED]				Position:	
ASNT Level II Cert. Validity 28 June 2027				Date:	
Equipment	Sr. No.	Calibration Validity	Equipment	Sr. No.	Calibration Validity
AC/DC Yoke	202404509	03-Aug-2025			
Test Weight 4.5 Kg	7	17-Mar-2026			

This field report is issued subject to the condition that it is understood and agreed upon that nothing herein shall be deemed to relieve any designer, manufacturer, repairer or operator of any warranty, express or implied and Tubestar's liability shall be limited to the acts and omissions of its employees and subcontractors. Under no circumstances shall Tubestar be liable for any injury or damage to any person or property occurring by any reason of negligent operation, misuse, or of any defect in material, machinery, equipment or other items other than by defects in items actually inspected by Tubestar and ascertainable by normally accepted testing standards, or defects reflected in documents reviewed by Tubestar and which are covered by this report. This field report and the recommendation contained within it are based upon the conditions and practices observed and information available to Tubestar personnel. The report does not purport to list all hazards or faulty conditions not to indicate that other hazards or faulty conditions exist. Severity ratings on the criteria shown in this report are intended as guideline only. Tubestar does not accept responsibility for the control or correction of conditions

MAGNETIC PARTICLE INSPECTION REPORT

Customer: Shelf Drilling			Report No: TSI/SDE/MPI-A/0425/006		
Rig: Shelf Drilling Enterprise			Job No: TSI/JN/04-2025/020		
Location: Gulf Of Thailand			W.O. No: NA		
P.O. No: [REDACTED]			Date of Report: 10-May-2025		
Items Inspected: BOP Hoist Clevis Hook					
Asset ID: 382-3199					
Material: Carbon Steel			Surface Condition: Cleaned to bare metal		
Test Temperature: Ambient			Examination Date: 24-Apr-2025		
Magnetic Particle Test					
Light Levels	Measured Value	unit	Magnetizing Process: Continuous <input checked="" type="checkbox"/> Residual <input type="checkbox"/>		
Visible illumination	Natural Daylight	...	Magnetizing Current:		
UVA illumination	...	µWatts/cm²	Alternating <input checked="" type="checkbox"/> Half Wave <input type="checkbox"/> Direct <input type="checkbox"/>		
Consumables	Make/Type	Batch No.	Magnetizing Coil <input type="checkbox"/> Amp <input type="checkbox"/> Yoke <input checked="" type="checkbox"/>		
White Contrast Paint	WCP-2	01-2250-77	Method: Permanent Magnet <input type="checkbox"/> Daily Lift Check <input checked="" type="checkbox"/>		
Black Magnetic Ink	7HF	220705	Magnetic Field Indicator used		
Wet Fluorescent	...	...	Pie Gauge <input checked="" type="checkbox"/> BC Strip <input type="checkbox"/> Shim <input type="checkbox"/>		
Dry Powder	...	...	Demagnetization: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Procedure No.: W/OPN/03/GEN REV 09			Powder Conc.: 1.8 ml/100ml		
Technique: Wet Visible			Magnetic Particles:		
Other: ASTM E709 - 2021			Dry <input type="checkbox"/> Wet <input checked="" type="checkbox"/>		
			Visible <input checked="" type="checkbox"/> Fluorescent <input type="checkbox"/>		
Scope of Work: Visual inspection and MPI done on exposed areas of hook and pin					
			Serial No: 382-3199 Description: Visual inspection and MPI done on exposed areas of hook and pin Manufacturer: Ingersoll Rand Model No: NA Location: Cellar Deck - Port - Fwd (BOP RB-01) SWL: 50 t		
Comments:			No relevant indications observed at the time of inspection.		
Result:			Accepted		
Technician: Alen Achankunju		Date:	Clients Rep.:		
Signature: 		24-Apr-2025	Sign:		
ASNT Level II Cert. No. [REDACTED]		Position:			
ASNT Level II Cert. Validity 28 June 2027		Date:			
Equipment	Sr. No.	Calibration Validity	Equipment	Sr. No.	Calibration Validity
AC/DC Yoke	202404509	03-Aug-2025			
Test Weight 4.5 Kg	7	17-Mar-2026			

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ภาคผนวกแทนเจาะ-3

บันทึกต่าง ๆ ของแทนเจาะ

RIG NO :

Work Orders Detail Report

WO Number	Description	WO Type	Equipment No	Equipment Description	Status Description	Craft	Date Scheduled	Days Overdue	PA#	Criticality
6234521	REQ-BARG-30D	Preventive Maintenance Order	77384	ALL SARTS	Closed	BARGE MASTER	6/8/2025	9.00	RIGSDE	.
S/N	WO Instruction									
1	Examine the area where the SART is stowed.									
2	Examine the unit for damage, ensure clean and free.									
3	Check condition of the mounting bracket.									
4	Record the annual expiry date of the unit.									
5	Record the expiry date of the battery.									
6	Test operation of unit as per manufacturer's instructions and record any anomalies.									
7	Note: unit must be surveyed annually with the radio room certification.									
Craft Comment										
Checked as per WO, bracket, battery exp Jun-2026, except in control room exp FEB-26										
17/06/2025										
Item Code	Item Description		Qty Ordered	UOM	Qty Issued					

RIG NO : RIGSDE Shelf Drilling Enterprise
Work Orders Detail Report

WO Number	Description	WO Type	Equipment No	Equipment Description	Status Description	Craft	Date Scheduled	Days Overdue	PA#	Criticality
47886570	GEN-ELEC-30D	Preventive Maintenance Order	77504	GENERATOR 1	Closed	ELECTRICIAN	4/4/2025		RIGSDE	
S/N	WO Instruction									
1	Before commencing the following work, ensure you have considered the following requirements. Permit to work, isolations, toolbox talk or any other safety factors to ensure they are mitigated as applicable to your operations and the required work below.									
2	The purpose of the 30-Day inspection is to make an external visual inspection of machine and record operating parameters every 30 days and will take approximately 1 hr. Check machine condition during normal running operations. Record volts, amps, KW, FREQ. Monitor the bearing temperature (via RTD's if fitted) or with infrared sensor tool.									
3	Visually inspect generator for build-up of dirt and dust , clean as required. If removable filters are fitted clean or replace as required.									
4	Listen for changes or unusual noises in machine • e.g. rubbing, knocking, screech sounds etc, determine source and compare if necessary.									
5	Visually check machine foundations or flange for signs of corrosion, cracks, distortion or loose. a. Check anti-VIB mounts (if fitted) or check fast (if fitted) for any signs of cracks, wear or distortion.									
6	Check all external inspection panels (and fittings) are fitted / free from any rust cracks or damage. Repair or replace any defect since this will affect the IP rating and possibly the machine vibration. Check gaskets or seals on panels (where fitted) are present and in good condition, replace these with correct material (considering temperature and density), remove any loose debris/ material.									
7	Check the condition of main terminal box (see machine exterior). Inspect gland, earthing, cable transit and the fixings on terminal box cover (including attachment to the machine). Inspect cables for signs of insulation damage or over-heating and mechanical protection if fitted									
8	Sample consumable lubricants on all generators (applicable for oil bathed generator bearings only). Reference maintenance procedure BPR-GENER-014 for sampling guidelines. Send sample to town for analysis.									
Craft Comment										
Performed general inspection while engine is running.										
Checked for dirt up dust build up, cleaned air inler filters for generator.										
Checked for abnormal noise or vibration, found ok.										
Checked machine foundation, shock absorber, bolts for loose or damage condition.										
Checked condition main terminal box, checked all cable glands, earthing. Inspected all cables for insulation damage, sign of overheating.										
Checked local control panel for sign of problem, loose cable glands, broken or missing control lights or switch.										
Checked engine harnesses, cables to control panel, cable glands.										
Checked earth cables to control panel, confirm in good condition and connected.										
3 APR 2025										
Item Code	Item Description		Qty Ordered	UOM	Qty Issued					

RIG NO :

Work Orders Detail Report

WO Number 47871204	Description CMP-MECH-1000H	WO Type Preventive Maintenance Order	Equipment No 77327	Equipment Description RIG AIR COMPRESSOR 1	Status Description Closed	Craft MECHANIC	Date Scheduled	Days Overdue	PA# RIGSDE	Criticality
S/N	WO Instruction									
1	Ensure PTW, TBRA and any applicable isolations are obtained before carrying out the following task steps.									
2	Change oil separator element if indicating device reading, is above manufactures specifications . Or differential pressure is more than 8 psi.									
3	Change or clean the air filter element.									
4	Change oil filter if indicator device reading is above manufacturers specifications.									
5	If applicable clean separator oil return line sight glass, strainer and orifice check for varnish build up.									
6	If applicable, check the condition of the minimum pressure valve seal ring, check for air flow from the tell-tale hole in the valve housing. Ensure the integrity of the valve is good and has no signs of corrosion or other abnormalities. Rc-kit or replace the valve if any doubts arise. Visually check the integrity of all seals and gaskets on services surrounding the compressors.									
7	Check all gauges are fitted, secure, operational and not damaged. Repair/replace as required.									
8	Lubricate all control linkages.									
9	Clean the compressor drains									
10	Where applicable clean the scavenge line strainer.									
11	Inspect the discharge check valve for proper operation									
12	Inspect cooling water system. Replace anode as required.									
13	Inspect hoses and pipework for leaks and deterioration. Replace as required.									
14	Clean air and oil coolers / heat exchangers and ensure the fan and belts are guarded and in in good condition									
15	Where applicable replace the bearing filter element.									
16	Clean or replace the return line strainer and main filter.									
17	Clean oil return line strainer.									
18	Check cut-in and cut-out pressure settings are as per the OEM recommendations									
19	Ensure all air, oil, fluid, pressures and temperature measurements are being recorded as per the weekly mechanical check list and any abnormal readings are being reported to the Chief Mechanic.									

Craft Comment

25 Jan 2025.

-Ensure PTW, TBRA and any applicable isolations are obtained before carrying out the following task steps.

R564801PI

RIG NO :

Work Orders Detail Report

Date : 7/13/2025

Date of Report

Page - 11 of 13

WO Number	Description	WO Type	Equipment No	Equipment Description	Status Description	Craft	Date Scheduled	Days Overdue	PA#	Criticality
-Change oil separator element if indicating device reading, is above manufactures specifications. Or differential pressure is more than 8 psi.										
-Clean the air filter element.										
-Change oil filter.										
-Clean separator oil return line sight glass, strainer and orifice check for varnish build up.										
-Check the condition of the minimum pressure valve seal ring, check for air flow from the tell-tale hole in the valve housing.										
-Ensure the integrity of the valve is good and has no signs of corrosion or other abnormalities.										
-Visually check the integrity of all seals and gaskets on services surrounding the compressors.										
-Check all gauges are fitted, secure, operational and not damaged. Repair/replace as required.										
-Lubricate all control linkages.										
-Clean the compressor drains.										
-Clean the scavenge line strainer.										
-Inspect the discharge check valve for proper operation										
-Inspect cooling water system.										
-Inspect hoses and pipework for leaks and deterioration.										
-Clean air and oil coolers/ heat exchangers and ensure the fan and belts are guarded and in in good condition.										
-Clean or replace the return line strainer and main filter.										
-Check cut-in and cut-out pressure settings are as per the OEM recommendations										
-Ensure all air, oil, fluid, pressures and temperature measurements are being recorded as per the weekly mechanical -Check list and any abnormal readings are being reported to the Chief Mechanic.										

All good on this time.

Item Code	Item Description	Qty Ordered	UOM	Qty Issued
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Date: 7/13/2025

Date of Report

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RIG NO :

20-4-2025

RIG NO :

Work Orders Detail Report

WO Number	Description	WO Type	Equipment No	Equipment Description	Status Description	Craft	Date Scheduled	Days Overdue	PA#	Criticality
47884179	ADR-MECH-30D	Preventive Maintenance Order	77761	AIR DRYER A	Closed	MECHANIC	3/25/2025	5.00	RIGSDE	.
S/N	WO Instruction									
1	Observe the operation of the twin/dual tower air dryer unit and check the inlet and outlet pressures to confirm readings are as per rig & system design specifications, also check dryer for air leaks.									
2	Check the control panel display for any faults or service Interval warnings									
3	Check dryer operating sequence between dryer and regeneration mode and cycles between tower "A" & Tower "B" as per manufacturer's instructions.									
4	Confirm the meter on the control panel display is indicating the correct due point temperature, a poor reading, requires investigation									
5	Check at various points throughout the air system for the presence of water, pay particular attention to sections immediately down stream of pressure reducing valves and the inlets to the bulk transfer system.									
6	Check pressure drop across each pre-filter and after filter, less than 5 psi, and change if required.									
7	Check operation of all drains on pre- and after-filters. (If applicable)									
Craft Comment										
-Observed operation air dryer tower it correct function.										
-Checked control display it normal no any alarm.										
-Checked temp and pressure it normal operation.										
-Cleared pilot filter.										
-Checked pressure gauge read correct pressure.										
-Checked air release per each tower it normal operation.										
-Checked valve drain for element filter it good operation.										
-Checked for leak it no leak.										
Item Code	Item Description			Qty Ordered	UOM	Qty Issued				

RIG NO :

*

Work Orders Detail Report

Date : 7/13/2025

Date of Report

Page - 8 of 10

WO Number	Description	WO Type	Equipment No	Equipment Description	Status Description	Craft	Date Scheduled	Days Overdue	PA#	Criticality
Completed Inspection Fire detection system. Inspected fire alarm panel and it's in normal operation.										
Checked Fire alarm remote panel at Driller cabin and function tested found working good.										
Cleaned smoke detectors as Delta-Hi fault in the system at B044 - Room230.										
Replaced B058 - Mess Hall fault due to error temperature reading.										
Walk test mode for detector Loop B and all working good.										
Alarm activated on loop B device and sounded correctly.										
01/07/2025										

Item Code	Item Description	Qty Ordered	UOM	Qty Issued
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WO Number	Description	WO Type	Equipment No	Equipment Description	Status Description	Craft	Date Scheduled	Days Overdue	PA#	Criticality
6235176	FXT-BARG-30D	Preventive Maintenance Order	77609	ALL FIRE EXTINGUISHERS	Closed	BARGE MASTER	6/28/2025	14.00	RIGSDE	.
S/N	WO Instruction									
1	Obtain fire extinguisher check list sheet/positions report and verify extinguishers are present in correct locations, and tagged. Ensure access is unrestricted									
2	Inspect condition of each extinguisher and mounting bracket ensuring no damage and or corrosion									
3	Shake Dry Powder Extinguishers upside down and right side up to cause contents from settling									
4	Ensure hoses are flexible, not packed off (dry chemical) and without cracks									
5	Inspect nozzle for free movement of the trigger or activation handle (spring loader type's return to close position)									
6	Wheel mounted units; ensure the tires are correctly inflated and the wheels move freely									
7	Ensure the charge gauge (if applicable) is within the acceptable range									
8	Verify that the integrity seal has not been breached									
9	Ensure fire extinguisher number and station is clearly marked									
10	Inspect all portable foam systems. Inspect eductors, hoses, as well as connections. The list of portable foam and their locations are located in PMS rig registers.									
11	Visually inspect all portable foam systems. Visually inspect the eductor, the tanks of foam, the hoses as well as the connections for any leaks, cracks, corrosion or any signs of deterioration. Ensure all parts are in good working order.									
12	Update inspection tag.									
13	Visually inspect the Hydro Test Expiry Date on each fire extinguisher. Remove from service if expired and replace with extinguisher holding a valid Hydro test.									
14	Check Inventory, clean and inspect the rig fire blankets.									
15	Check the blankets expiration date, reorder if within 3 months of expiration.									
Craft Comment										
Checked during the yearly inspection by [REDACTED]										
Item Code	Item Description		Qty Ordered	UOM	Qty Issued					



CELEBRATING
75 YEARS OF
EXCELLENCE

The Republic of Liberia
Liberia Maritime Authority

OIL RECORD BOOK

PART I - MACHINERY SPACE OPERATIONS
(ALL SHIPS)

NAME OF SHIP: SHELF DRILLING ENTERPRISE
IMO NUMBER: 8768309
GROSS TONNAGE: 9985
DISTINCTIVE NUMBERS OR LETTERS: 38TH - M02510
DEADWEIGHT IN METRIC TONS: _____
SHIP TYPE: MOBIL (SPEC. OIL)
COVERING THE PERIOD: FROM 14-JUN-2015 TO _____

Note: Oil Record Book Part I shall be provided to every oil tanker of 150 gross tonnage and above and every ship of 400 gross tonnage and above, other than oil tankers, to record relevant machinery space operations. For oil tankers, Oil Record Book Part II shall also be provided to record relevant cargo/ballast operations.

THIS ENTRY LOG MUST BE PRESERVED FOR THREE (3) YEARS FROM DATE OF LAST ENTRY

RLM-121 REV 2011

NAME OF SHIP: SHELF DRILLING ENTERPRISE
DISTINCTIVE NUMBER OR LETTERS: 38TH / M02510
IMO NUMBER: 8768309

MACHINERY SPACE OPERATIONS			Record of operations/signature of officer in charge of operation concerned	
DATE (dd-MONTH-yyyy)	CODE (letter)	ITEM (number)		
11-June-2015	E	16	From 10:00 (Heavy Rain)	
			Stop 11:00	
12-June-2015	E	16	Oil Spout start Stop / 10:15 - 99:24	
			From 10:00 + 10:5 (Heavy Rain)	
			Stop 12:00	
12-June-2015	C	12.2	4m ³ Water Oil (Sludge) - transferred from 10p 1.5m ³ Oil Tank to 20p 1.5m ³ Oil Tank	
			10p 1.5m ³ Oil Tank - 0.5m ³ Oil Tank	
14-June-2015	C	11.1	10p Drilling Oil Tank (Sludge) Weekly	
		11.2	9.4m ³ Oil Tank	
		11.3	2.0m ³ Oil Tank	
		11.4	0.5m ³ Oil Tank	
20-June-2015	H-	26.1	B.D. Graham 10:11 N / 20:27 S	
		26.2	Start 13:40 20-June-2015 / Stop 15:36 20-June-2015	
		26.3	124 MT (150 MT) into 8C	
			124 MT added to 8C New Contain	
			20-June-2015	

Signature of _____

NAME OF SHIP: Shelf Drilling ENTERPRISE
DISTINCTIVE NUMBER OR LETTERS: 3 BTH MR 370
IMO NUMBER: 8768309

MACHINERY SPACE OPERATIONS				Record of operations/signature of officer in charge of operation concerned
DATE (dd-MONTH-yyyy)	CODE (letter)	ITEM (number)		
21-June-2025	E	16		ONS UNIT Start 0730 1011N / 9927E From 10wp + 10S STOP OWS 10000
21-June-2025	C	11.1		21-June-25 10p Dirty oil tank (Sludge) Weekly
		11.2		9.4m ³ capacity
		11.3		3.0m ³ Retained
		11.4		1.0m ³ Collected OWS + Buge
27-June-2025	H	26.1		21-June-25 Bas Champion 1011N / 9927E
		26.2		Start 0712 27-June-2025 / Stop 0410 27-June-2025
		26.3		83 MT (100 m ³) into 8C
				83 MT ADD TO 8C. NIG CONTAIN 40 MT
28-June-2025	C	11.1		27-June-2025 10p Dirty oil tank (Sludge) Weekly
		11.2		9.4m ³ capacity
		11.3		3.5m ³ Retained
		11.4		0.5m ³ Collected
5-July-2025	C	11.1		28-June-25 10p Dirty oil tank (Sludge) Weekly
		11.2		9.4 m ³ Capacity
				5.7 m ³ Retain.
				3.87 m ³ Collected

Signature of Master: _____

10

NAME OF SHIP: Shelf Drilling ENTERPRISE
DISTINCTIVE NUMBER OR LETTERS: 3 BTH MR 370
IMO NUMBER: 8768309

MACHINERY SPACE OPERATIONS				Record of operations/signature of officer in charge of operation concerned
DATE (dd-MONTH-yyyy)	CODE (letter)	ITEM (number)		
10-Jul-2025	H	26.1		Bas Champion 0942N 10117E
		26.2		Start 14:30 10-Jul-2025 Stop 17:00 10-Jul-2025
		26.3		124 MT (150 m ³) into 8C
				124 MT ADD TO 8C. NIG CONTAIN 190 MT.
				10-Jul-2025

Signature of Master: _____

11

Total



DISPATCH ADVISE NOTE FORM

DAN # : SDE-P-058-2025

Date : 16-Jun-25



G1/61



PTTEP



Arthit



B13 / 38



Others, specify.....

FROM		TO		MEAN OF TRANSPORT		DATE/TIME DEPARTURE		
RIG SDE (NNN)		SKL JETTY		BB GOMEN		16-Jun-25		
NO	ITEM NUMBER	QTY	UNIT	DESCRIPTION		WO/SIR	PO	Wt (Kgs)
1	1011	1	Skip	"FULL" BIG CUTTING SKIP				7,000.00
2	1022	1	Skip	"FULL" BIG CUTTING SKIP				7,000.00
3	1038	1	Skip	"FULL" BIG CUTTING SKIP				7,000.00
4	1049	1	Skip	"FULL" BIG CUTTING SKIP				7,000.00
5	1066	1	Skip	"FULL" BIG CUTTING SKIP				7,000.00
6	1010	1	Skip	"FULL" BIG CUTTING SKIP				7,000.00
7	1021	1	Skip	"FULL" BIG CUTTING SKIP				7,000.00
8	1033	1	Skip	"FULL" BIG CUTTING SKIP				7,000.00
9	1035	1	Skip	"FULL" BIG CUTTING SKIP				7,000.00
10	1091	1	Skip	"FULL" BIG CUTTING SKIP				7,000.00
11	83989	1	Basket	"FULL" BLUE RUBBISH SKIP (NON-HAZADOUS)				3,000.00
12	84103	1	Basket	"FULL" BLUE RUBBISH SKIP (NON-HAZADOUS)				3,000.00
13	NNN-B01ST	1	Gallon	FLUID SAMPLE (CABIN LOAD)				10.00
								-
PREPARED AND ISSUED				RECEIVED AND CHECK		COMMENT ON RECEPTION		PACKING DETAILS :
Name: [REDACTED]				Name :				-Total of packings(s) :
Date : 16-Jun-25				Date :				-DIM :
								-Total weight (kgs.) :

WEEKLY INSPECTION OF AN EMERGENCY STATION

แผนเจาะ-3.4 รายการเวชภัณฑ์สำหรับการปฐมพยาบาลและการรักษาพยาบาลเบื้องต้น

Country: Thailand

Rig : Shelf Drilling Enterprise

Date of Inspection : 10 July 2025

Inspection survey and Recommendation

Week: 25

LOCATION	RECOMMENDED ITEMS	STATUS	COMMENT
Emergency Eyewash Stations and Showers			
Outside Helibrief	2 Eyewash bottles : Exp Aug-29	Good condition	
Coffee Shop	2 Eyewash bottles : Exp Aug-29	Good condition	
Paint Locker	2 Eyewash bottles : Exp Aug-29	Good condition	
Welder Shop	2 Eyewash bottles : Exp Aug-29	Good condition	
Cement Unit	1 Eyewash station	Good condition	Clean & Flushing
	1 Shower station	Good condition	Clean & Flushing
	2 Eyewash bottles : Exp Dec-25	Good condition	
Shaker house	2 Eyewash bottles : Exp Aug-29	Good condition	
	1 Eyewash station	Temporarily Out Of Service	
	1 Shower station		
Rig Floor	1 Eyewash station	Good condition	Potable Eyewash tank
	1 Shower station	Good condition	Clean & Flushing
	1 Eyewash station	Good condition	Clean & Flushing
Electric Shop	2 Eyewash bottles : Exp Aug-29	Good condition	
Machinery workshop	2 Eyewash bottles : Exp Aug-29	Good condition	
Water Maker Room	2 Eyewash bottles : Exp Jan-26	Good condition	
Mud Lab	2 Eyewash bottles : Exp Aug-29	Good condition	
Mudpit Room	2 Eyewash bottles :	Good condition	
	1 Eyewash station	Temporarily Out Of Service	
	1 Eyewash station		
Mixing Area	1 Eyewash station	Temporarily Out Of Service	Potable Eyewash tank
	1 Shower station		
	1 Eyewash station	Good condition	Potable Eyewash tank
Sack Store	2 Eyewash bottles : Exp Jan-29	Good condition	
First Aid Kits			
Warehouse	1 kit	Good condition	
Mechanic Shop	1 kit	Good condition	
AED Stations			
LER room	1 machine	Good condition	
SCR room	1 machine	Good condition	
Pathogen kits			
Rig Floor	1 kit	Good condition	
Main deck-Coffee shop	1 kit	Good condition	
Mechanic Shop	1 kit	Good condition	
Galley	1 kit	Good condition	
Ear plug dispenser			
Door to Stbd. Maindeck	1 set	Good condition	Refilled
Door to Prt. Maindeck	1 set	Good condition	
Coffee Shop	1 set	Good condition	
3rd floor STBD	1 set	Good condition	
3rd floor PORT	1 set	Good condition	
Heli-briefing room	1 set	Good condition	

IMP

OIM



11 JUL 2025

OIM

Table 3.2.1 – Emergency Drills Matrix

Drill Type	Frequency (# of Days)					Full Crew Participation or Training	Specific Crew Participation or Training
	7	30	Every Trip	90	180		
Fire / Emergency Drill	X					All POB	Per Station Bill
Abandonment Drill	X					All POB	Assigned Lifeboat Crew
H ₂ S Drill – Expected at Location *	X					All POB	Drill Crew & per Station Bill
Communications Drill		X					ROTC / Marine Crew
Confined Space Rescue Drill			X			Awareness	Medic & ER Team
Damage / Flooding Control Drill				X			Marine & Maintenance Crews
H ₂ S Drill – Gas Not Anticipated *				X		All POB	Drill Crew & per Station Bill
Man Overboard Drill				X		All POB	Per Station Bill, PIC & SBV
Lifeboat / Rescue Boat Launching Drill *				X		Awareness	Marine & Lifeboat Crew
Liferaft Drill *				X		All POB	
Search, Rescue and Mock Injury Drill				X		Awareness	Medic & ER Team
Helicopter Emergency Drill *				X		Awareness	Medic & ER Team
Rescue from Heights Drill				X		Awareness	Heights Rescue & ER Team
Environmental Drill				X		Awareness	ER Team
Medical Emergency Response Exercise				X		Awareness	Medic & ER Team
Security Drill				X		All POB	Personnel with designated duties
Emergency Towing and Line Throwing Apparatus Drill *				X			Deck and Marine Crews
Blackout Recovery Drill					X	Awareness	Maintenance & Marine Crew
Punch-Through Drill *				X		Awareness	Personnel with designated duties

Notes: 1. Specific Crew Participation or Training should include any personnel designated by the Station Bill or Emergency Response Plan.

2. Drills marked with asterisk (*) may be exempt during Out of Service period, depending on location and local requirements.



Contract SSHE Management Plan & Bridging Document of PROVISION
OF OFFSHORE JACK-UP DRILLING RIG (RIG SHELF DRILLING
ENTERPRISE)

June 2022

Company requirements	Company reference document	Shelf Drilling reference document	Gaps to be bridged	Document primacy	Comments/Agreements
			2. Driller Level-Combined for Driller and Assistant Driller. Shelf Drilling reference document - All positions from AD and Driller position up must attend IADC Wellsharp training, no exemptions are permitted.		2. Driller Level - for Driller and Assistant Driller
	12115 MNL- WMS- 2001- R01: Well Control Manual Nov 2021 Rev.1	COR-OPS-RE-02 Well Control Requirement Nov 2021 Rev.6	<p>- PTTEP ED reference document stated that the frequency of exercises (pit, trip, choke drill) must be not less than once a week for each exercise crew.</p> <p>- Shelf Drilling reference document stated as follows.</p> <p><u>Choke drills</u> - Prior to drill out of each Casing shoe of reservoir or high-pressure zone.</p>	PTTEP ED Shelf Drilling	<p>- The frequency of exercises (drills) shall be as follows <u>for each exercise crew</u>.</p> <ul style="list-style-type: none"> • <u>Choke drills</u> - Prior to drill out of each casing shoe or once per week • <u>Pit drills</u> - Once per week • <u>Trip drills</u> - Once per week

Report Exported On	Drills		Case Number	Drill Type	Location	Date	Crew(s)	Status
11 Jul, 2025 22:57	Drills	Environmental Drill	SDE-2024-OCT-DRL-271	Environmental Drill	SDE	04 Oct, 2024	Crew C	Closed
		Environmental Drill	SDE-2024-JUL-DRL-392	Environmental Drill	SDE	03 Jul, 2024	Crew A, Crew B, Crew C, Crew D, Crew	Closed
		Environmental Drill	SDE-2024-APR-DRL-251	Environmental Drill	SDE	03 Apr, 2024	Crew C	Closed
		Environmental Drill	SDE-2024-JAN-DRL-128	Environmental Drill	SDE	02 Jan, 2024	Crew C	Closed
		Environmental Drill	SDE-2023-OCT-DRL-759	Environmental Drill	SDE	08 Oct, 2023	Crew B	Closed
		Environmental Drill	SDE-2023-JUL-DRL-156	Environmental Drill	SDE	03 Jul, 2023	Crew C	Closed
		Environmental Drill	SDE-2023-APR-DRL-959	Environmental Drill	SDE	09 Apr, 2023	Crew B	Closed
		Environmental Drill	SDE-2023-JAN-DRL-837	Environmental Drill	SDE	02 Jan, 2023	Crew B	Closed
		Environmental Drill	SDE-2022-OCT-DRL-760	Environmental Drill	SDE	09 Oct, 2022	Crew C	Closed
		Environmental Drill	SDE-2022-JUL-DRL-431	Environmental Drill	SDE	08 Jul, 2022	Crew C	Closed
		Environmental Drill	SDE-2025-Feb-DRL-003	Environmental Drill	SDE	08 Feb, 2025	Crew A	Closed
		Environmental Drill	SDE-2025-May-DRL-006	Environmental Drill	SDE	10 May, 2025	Crew B	Closed

Report

Exported On 11 Jul, 2025 23:01

Drills

Case Number	Drill Type	Location	Date	Crew(s)	Status
SDE-2025-Jan-DRL-001	Fire / Emergency Drill, Abandonment	SDE	04 Jan, 2025	Crew A, Crew B, Crew C	Closed
SDE-2025-Jan-DRL-004	Fire / Emergency Drill	SDE	11 Jan, 2025	Crew B	Closed
SDE-2025-Jan-DRL-010	Fire / Emergency Drill	SDE	20 Jan, 2025	Crew C	Closed
SDE-2025-Jan-DRL-013	Fire / Emergency Drill	SDE	23 Jan, 2025	Crew A	Closed
SDE-2025-Jan-DRL-015	Fire / Emergency Drill	SDE	31 Jan, 2025	Crew C	Closed
SDE-2025-Feb-DRL-006	Fire / Emergency Drill	SDE	09 Feb, 2025	Crew A	Closed
SDE-2025-Feb-DRL-008	Fire / Emergency Drill	SDE	16 Feb, 2025	Crew B	Closed
SDE-2025-Feb-DRL-014	Fire / Emergency Drill, Search, Rescue	SDE	24 Feb, 2025	Crew A, Crew B, Crew C	Closed
SDE-2025-Mar-DRL-001	Fire / Emergency Drill, Abandonment	SDE	01 Mar, 2025	Crew A, Crew B, Crew C, Crew D	Closed
SDE-2025-Mar-DRL-002	Fire / Emergency Drill	SDE	09 Mar, 2025	Crew A	Closed
SDE-2025-Mar-DRL-004	Fire / Emergency Drill, Abandonment	SDE	16 Mar, 2025	Crew A, Crew B, Crew C	Closed
SDE-2025-Feb-DRL-016	Fire / Emergency Drill	SDE	23 Feb, 2025	Crew A	Closed
SDE-2025-Mar-DRL-011	Fire / Emergency Drill	SDE	31 Mar, 2025	Crew C	Closed
SDE-2025-Apr-DRL-004	Fire / Emergency Drill	SDE	08 Apr, 2025	Crew B	Closed
SDE-2025-Apr-DRL-007	Fire / Emergency Drill	SDE	15 Apr, 2025	Crew A	Closed
SDE-2025-Apr-DRL-016	Fire / Emergency Drill	SDE	23 Apr, 2025	Crew A	Closed
SDE-2025-Apr-DRL-018	Fire / Emergency Drill	SDE	29 Apr, 2025	Crew A	Closed
SDE-2025-May-DRL-003	Fire / Emergency Drill	SDE	08 May, 2025	Crew B	Closed
SDE-2025-May-DRL-007	Fire / Emergency Drill	SDE	14 May, 2025	Crew B	Closed
SDE-2025-May-DRL-010	Fire / Emergency Drill, Abandonment	SDE	21 May, 2025	Crew A, Crew B, Crew C	Closed
SDE-2025-May-DRL-012	Fire / Emergency Drill	SDE	31 May, 2025	Crew A	Closed
SDE-2025-Jun-DRL-002	Fire / Emergency Drill	SDE	07 Jun, 2025	Crew B	Closed
SDE-2025-Jun-DRL-006	Fire / Emergency Drill	SDE	14 Jun, 2025	Crew A, Crew B	Closed
SDE-2025-Jun-DRL-011	Fire / Emergency Drill	SDE	18 Jun, 2025	Crew B	Closed
SDE-2025-Jun-DRL-017	Fire / Emergency Drill	SDE	25 Jun, 2025	Crew C	Closed
SDE-2025-Jul-DRL-001	Fire / Emergency Drill, Abandonment	SDE	06 Jul, 2025	Crew A, Crew B, Crew C	Closed

FACILITY	Shelf Drilling ENTERPRISE	COUNTRY	Thailand
TOPIC	Medical Emergency Response Drill Tabletop Drill PTTEP on 16-Jun-25	Instructor	

Medical Emergency Response Drill

Tabletop Drill PTTEP on 16-Jun-25

Proposed Drill Scenario

While laying down casing for P&A operation, the deck pusher notice a RSTB had symptom of shortness of Breathe, Deck pusher escorted RSTB to see Rig Medic

Rig Medic provides patient stabiliztion to the patient

Rig medic consults with ISOS Medical consultatnt center support.

Rig medic consults with PTTEP Corp. Doctor.

After consults, patient's condition is ont manageable on Rig

Agreement is made to sen patient to shore hospital.

Corp. Doctor contacts PTX VP, Drilling Supt. , DSV to determine weather a MEDEVAC or medical referral is required.

After consults, MEDIVAC is not required.

The patient's condition can allow for waiting until next crew change Chopper flight or being transported by Crew Boat.

Corp. Doctor, PTX VP, Drilling Supt. , DSV to determine the suitable medical referral method.

The next chopper flight available is too long to wait- not good for patient.

Agreement is made to send patient by TMS Chana Crew Boat.

DSV contacts TMS Chana Crew Boat by Radio to transfer patient to shore hospital by boat.

TMS Chana crew boat come along side snatching SDE Rig to pickup personnel transfer basket for patient, Medic and escort crew to TMS Chana crew boat.

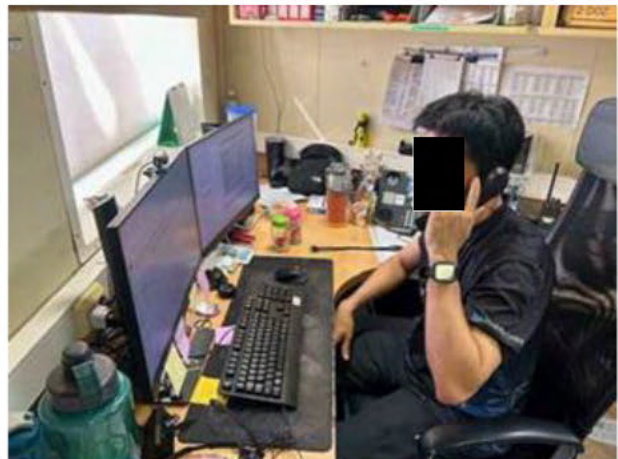
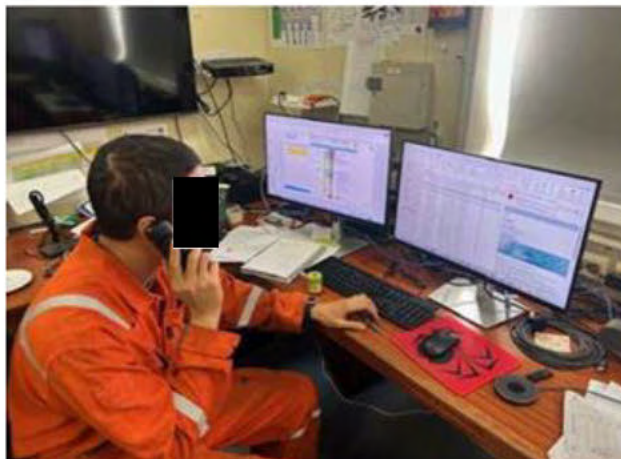
TMS Chana crew boat arrives Prachuap Khiri Khan Jetty.

Corp. Doctor advises designated hospital to SDE shore coordinator.

SDE shore coordinator arranges ground transportation from Jetty to designated hospital.

Drill is over.

FACILITY	Shelf Drilling ENTERPRISE	COUNTRY	Thailand
TOPIC	Medical Emergency Response Drill Tabletop Drill PTTEP on 16-Jun-25	Instructor	





**SHELF
DRILLING**

Shelf Drilling Enterprise

WELL CONTROL DRILLS Tracking Sheet

No.	Type of drill	Date	Crew	Person performing drills	Platform / Well	Remarks
1	Choke Drill	07-Jul-25	B		PMWC-37	Performed Table top.
2	Trip Drill	08-Jul-25	C		PMWC-37	Performed Table top.
3	Pit Drill	08-Jul-25	B		PMWC-37	Perform Pit Drill while performing CMT Job.
4	Trip Drill	09-Jul-25	C		PMWC-37	Perform while POOH.
5	Pit Drill	09-Jul-25	B		PMWC-37	Perform Pit Drill while performing CMT Job.
6	Trip Drill	10-Jul-25	C		PMWC-37	Perform Trip Drill while RIH CMT Stringer.
7	Pit Drill	10-Jul-25	B		PMWC-18	Perform Pit Drill while performing CMT Job.
8	Trip Drill	11-Jul-25	C		PMWC-18	Perform Trip Drill while POOH 4" Drill pipe.
9	Pit Drill	11-Jul-25	B		PMWC-27	Perform Pit Drill while performing CMT Job.
10	Trip Drill	12-Jul-25	C		PMWC-20	Perform Trip Drill while POOH 4" Drill pipe.
11	Pit Drill	13-Jul-25	B		PMWC-27	Perform Pit Drill while cutting CSG.
12	Trip Drill	13-Jul-25	B		PMWC-27	Perform Trip Drill while POOH 4" Drill pipe.



WEEKLY SANITATION AND HYGIENE CHECKLIST

Conducted By:

Installation/Facility:	Shelf Drilling Enterprise	Name		Position	OIM
Country:	Thailand	Name		Position	IMP
Date:	1 st July 2025	Name		Position	Campboss

Circle the correct response. For every "No" response, a brief explanation is required in the Comments section. All items marked as negative must be reported to the OIM and entered into Dashboard as DELTA.

Safety	Comments
Are catering crews holding a pre-tour meeting?	Yes / No
Are TBRA's being utilized by the catering crew?	Yes / No
Food Storage	Comments
Is all food stored in a clean, covered container?	Yes / No
Are all foods stored on racks – not on floors?	Yes / No
Are food stocks within expiration dates and stamped dates of intended use?	Yes / No
Do all refrigerators and freezers have a functioning thermometer?	Yes / No
Is a portable thermometer available to confirm food temperature?	Yes / No
Are cooked and uncooked foods stored separately to prevent cross contamination?	Yes / No
Are open salad dressings/condiments stored properly between mealtimes?	Yes / No
Are hot foods maintained at temperatures more than 145°F (63°C)?	Yes / No
Are dairy products stored at temperatures below 39°F (4°C)?	Yes / No 4 C
Food Preparation Areas	Comments
Are there designated food handlers for food preparation?	Yes / No
Are all fruits and vegetables intended to be consumed raw thoroughly washed?	Yes / No
Are foods prepared on clean, non-absorbent work surfaces?	Yes / No
Are food service workers wearing hair nets or caps while in the galley?	Yes / No
Are food service workers wearing cut-resistant gloves while using knives or sharp tools?	Yes / No
Are food service workers wearing latex gloves while serving or handling food, including over cut-resistant gloves?	Yes / No
Are touch points sanitized after each service?	Yes / No
Are floors cleaned after each service?	Yes / No
Are other surfaces, including walls and ceilings, spot-cleaned after each service?	Yes / No
Is all kitchen equipment cleaned daily?	Yes / No
Are waste bins emptied daily?	Yes / No
Permitted Food Leftovers (salads without dressing /pastries desserts under 18 hours; roast meat)	Comments
Are leftovers protected against contamination, maintained at the correct temperature during serving, and removed from the serving line immediately after service?	Yes / No
Are leftovers stored properly and not frozen?	Yes / No
Are leftovers disposed of within 48 hours?	Yes / No
Are leftovers only served once before disposal?	Yes / No



WEEKLY SANITATION AND HYGIENE CHECKLIST

Are leftovers served at the correct temperature?	Yes / No	Comments
Cleaning & Sanitizing Utensils/Equipment		
Are gloves and respirators available to all galley personnel for cleaning tasks and mixing chemicals?	Yes / No	
Are food preparation tables washed and sanitized after each use?	Yes / No	
Are kitchenware, food-contact surfaces, equipment, and utensils washed and sanitized after each use?	Yes / No	
Are grills cleaned at least once per shift?	Yes / No	
Are cold drink dispensers and the soft-serve ice cream machine cleaned daily?	Yes / No	
Are deep fat fryers drained, strained, and cleaned daily, and covered when not in use?	Yes / No	
Are stoves and ovens, including drip pans, cleaned daily?	Yes / No	
Are exhaust vents and filters cleaned weekly?	Yes / No	
Are milk-dispensing machines defrosted and cleaned weekly?	Yes / No	
Are refrigerators emptied and cleaned weekly?	Yes / No	
Is the grating from the walk-in refrigerator floor removed for cleaning weekly?	Yes / No	
Does the dishwasher clean at 180°F (82°C)/manufacturer standard?	Yes / No	
Training		Comments
Have all food handlers been instructed in the principle of food-borne illness?	Yes / No	
Have all food handlers been warned of transmission of communicable disease?	Yes / No	
Have all food handlers been instructed in personal hygiene?	Yes / No	
Have all food handlers been instructed in emergency drills and duties?	Yes / No	
Have all food handlers been instructed in galley firefighting equipment and procedures?	Yes / No	
Are the records of training for the above stated items available for review?	Yes / No	
Mess Hall		Comments
Are touch points sanitized after each service?	Yes / No	
Are top surfaces and work tops cleaned after each service?	Yes / No	
Are floors cleaned after each service?	Yes / No	
Are other surfaces, including walls and ceilings, spot-cleaned after each service?	Yes / No	
Are displays, dispensers, machinery, and equipment cleaned daily?	Yes / No	
Cabins & En Suite Bathrooms		Comments
Are beds made and bedding changed once per week and at crew change?	Yes / No	
Are floors cleaned every day?	Yes / No	
Is trash removed from bins every day?	Yes / No	
Are TVs, chairs, fixtures, and fittings spot-cleaned every day?	Yes / No	
Are touch points sanitized every day?	Yes / No	
Are high surfaces being dusted every day?	Yes / No	
Are the room vent covers wiped and AC filter cleaned weekly?	Yes / No	
Are hand basins, showers, and toilets being sanitized daily?	Yes / No	




แผ่นเจาะ-3.7 ตัวอย่างรายงานการตรวจประเมินความปลอดภัย
และสุขลักษณะของสถานที่ทำงานและที่พักอาศัย

WEEKLY SANITATION AND HYGIENE CHECKLIST




Public Restrooms		Comments
Are handbasins, toilets, urinals, and touch points sanitized twice a day?	Yes / No	
Is trash removed twice a day?	Yes / No	
Is the floor mopped twice a day?	Yes / No	
Change Areas		Comments
Are touch points sanitized daily?	Yes / No	
If applicable, are handbasins, toilets, and urinals sanitized twice a day?	Yes / No	
Is trash removed daily?	Yes / No	
Is spot cleaning performed twice a day?	Yes / No	
Are floors cleaned twice a day?	Yes / No	
Laundry Area		Comments
Are non-skid mats installed?	Yes / No	
Public Areas & Recreational Rooms (Including Gym, Stairways, Hallways, and Pass Ways)		Comments
Are touch points sanitized daily?	Yes / No	
Is spot cleaning performed daily?	Yes / No	
Are floors cleaned daily?	Yes / No	
Is trash removed from bins daily?	Yes / No	
Offices		Comments
Are touch points sanitized every day?	Yes / No	
Are dusting and spot cleaning performed every day?	Yes / No	
Are floors cleaned every day?	Yes / No	
Is trash removed from bins every day?	Yes / No	

Check storage of items on shelves at a height of 2 meters or above.

Additional Comments	
<p>The toilet door inside room A111 was poor condition (Rusty)</p> <p>Water dripping from ceiling at Level B</p> <p>Observed water drip from ceiling in front of Room C322</p> <p>There are some waters collected inside the control Pannel in the galley.</p> <p>Rubber seal of washing machine becomes poor condition.</p> <p>There is no Electrical inspection tag on the water dispenser machine.</p> <p>The drawer under the bed in Room 112 was broken.</p> <p>The locker inside room B237 was broken.</p> <p>The automatic door closer is broken 1st level Stbd.</p> <p>GarmXt in all AHU is running out.</p> <p>Blue cutting board needs to be replaced with new one.</p> <p>Glass at the salad bar is dirty inside.</p> <p>Wall in Prayer Room needs to be cleaned up.</p> <p>The ceiling in OSA Office is full of dust.</p> <p>The coffee drawer in Coffee room level 3 is dirty.</p> <p>The water dispenser in DSV Office is dirty.</p>	
This checklist may not be all inclusive. Any other unsafe items should be documented in Additional Comments and addressed appropriately.	
Inspector Signature: _____	Date: _____
Camp Boss Signature: _____	Date: _____
OIM Signature: _____	Date: _____

17-Sep-24	The toilet door inside room A111 was poor condition (Rusty)		New interior Door was ordered to replace rusty door in room A111	On Going
2-Apr-25	Water dripping from ceiling at Level B		Reported Marine Planer	On Going
15-Apr-25	Observed water drip from ceiling in front of Room C322		Reported Marine Planer	On Going




WEEKLY SANITATION AND HYGIENE CHECKLIST

17-Jun-25	There are some waters collected inside the control Pannel in the galley.		Reported Electrician	Open
17-Jun-25	Rubber seal of washing machine becomes poor condition.		Reported Electrician.	Open
24-Jun-25	There is no Electrical inspection tag on the water dispenser machine.		Reported Electrician.	Open

Rev 06 Dec 1, 2024

Form No: COR-HSE-RE-01 FM 5.03.1




WEEKLY SANITATION AND HYGIENE CHECKLIST

24-Jun-25	The drawer under the bed in Room 112 was broken.		Reported Marine Planer	Open
24-Jun-25	The locker inside room B237 was broken.		Reported Marine Planer	Open
1-July-25	The automatic door closer is broken 1 st level Stbd.		Reported Marine Planer	Open

Rev 06 Dec 1, 2024

Form No: COR-HSE-RE-01 FM 5.03.1




WEEKLY SANITATION AND HYGIENE CHECKLIST

1-July-25	GermXit in all AHU is running out.		Reported Chief Electrician	Open
1-July-25	Blue cutting board needs to be replaced with new one.		Reported Campboss	Open
1-July-25	Glass at the salad bar is dirty inside.		Reported Campboss	Open

Rev 06 Dec 1, 2024

Form No: COR-HSE-RE-01 FM 5.03.1


WEEKLY SANITATION AND HYGIENE CHECKLIST

1-July-25	Wall in Prayer Room needs to be cleaned up.		Reported Campboss	Open
1-July-25	The ceiling in OSA Office is full of dust.		Reported Campboss	Open
1-July-25	Coffee drawer in Coffee room level 3 is dirty.		Reported Campboss	Open

Rev 06 Dec 1, 2024

Form No: COR-HSE-RE-01 FM 5.03.1

WEEKLY SANITATION AND HYGIENE CHECKLIST

1-July-25	The water dispenser in DSV Office is dirty.		Reported Campboss	Open
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INSTALLATION
[INCLUDE]

EVENT TITLE
[INCLUDE]

CASE NUMBER
[INCLUDE]

EVENT DATE
[DD-MMM-YY]

LOCATION
[COUNTRY]

INVESTIGATION REPORT

STATUS: DRAFT / REVIEW / APPROVED

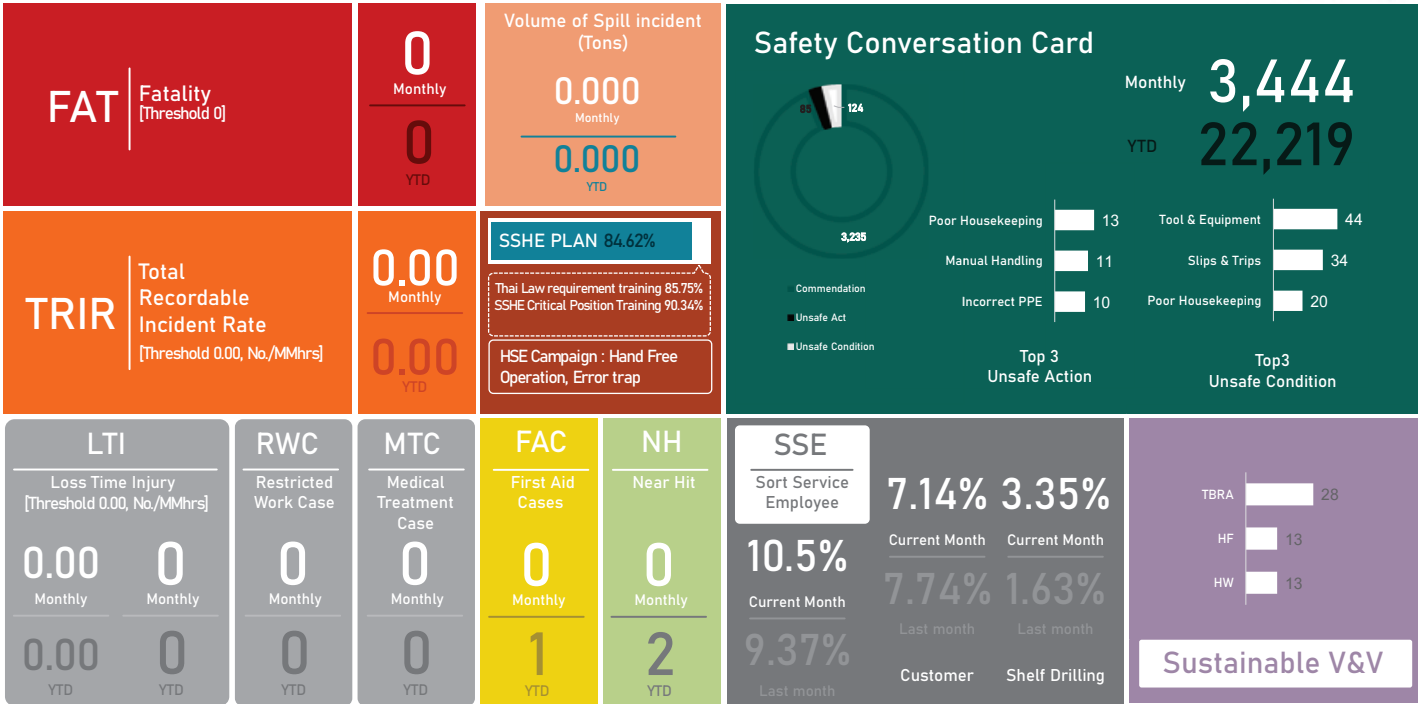
Highlight status of report.

Form No: COR-HSE-RE-01 FM 2.16.1

Dec 1, 2024

Rev 06

SDE Safety Statistic: June 2025



Safety Conversation Card

83

124

3,235

Monthly 3,444

YTD 22,219

Poor Housekeeping 13

Manual Handling 11

Incorrect PPE 10

Tool & Equipment 44

Slips & Trips 34

Poor Housekeeping 20

Top 3 Unsafe Action

Top3 Unsafe Condition

LTI

Loss Time Injury
[Threshold 0.00, No./MMhrs]

0.00

Monthly

0

Monthly

0.00

YTD

0

YTD

RWC

Restricted Work Case

0

Monthly

0

YTD

MTC

Medical Treatment Case

0

Monthly

0

YTD

FAC

First Aid Cases

0

Monthly

1

YTD

NH

Near Hit

0

Monthly

2

YTD

SSE

Sort Service Employee

7.14%

Current Month

3.35%

Current Month

10.5%

Current Month

7.74%

Last month

1.63%

Last month

9.37%

Last month

Customer

Shelf Drilling

TBRA

HF

HW

28

13

13

Sustainable V&V



EVENT INVESTIGATION REPORT

LEVEL I

Installation:
Event Date:



EVENT INVESTIGATION REPORT

LEVEL I

Installation:
Event Date:

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9. Underlying Cause(s)	8
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Template Guidance:

The document is a final investigation report for recording incident investigation information using the Kelvin Top-Set Investigation Methodology process. Upon completion and approval, final report to be attached to the event in SkillGRID HSE Dashboard.

Text in **Blue highlight** is an explanation as a guidance to fill in the information under each topic. Template guidance should be deleted from the final report upon completion. Text in **Grey highlights** is an explanation and example of the required field for input and replace with Black Text.

0. Glossary of Acronyms

Template Guidance: Use this glossary to identify any Acronyms written within the report:

- [Any other acronyms]
- IP Injured Person
- POB Personnel On Board
- IC Immediate Cause
- UC Underlying Cause
- CA Corrective Action



EVENT INVESTIGATION REPORT

LEVEL I

Installation:
Event Date:



EVENT INVESTIGATION REPORT

LEVEL I

Installation:
Event Date:

1. Executive Summary

Location Overview:

Installation: [Include]

Well Name: [Include]

POB: [Include]

Customer Name: [Include]

Position of Installation:

Latitude: [Include - e.g. 19° 32.37N]

Heading: [Include - e.g. 312°]

Longitude: [Include -e.g. 071°20.90 E]

Nearest Port: [Include]

Conditions:

Wind Speed: [Include - e.g. 20-22 KTS]

Visibility: [Include - e.g. 3 - 4 M]

Wave: [Include - e.g. 1M - 1.5 M]

Heave: [Include - e.g. 1- 2 M]

Classification:

Case classification:

Severity: Actual: [Include]

Lost Workdays: [Include]

Potential: [Include]

What Happened:

Template Guidance: "What Happened" - Give a brief overview of the incident; this is not a description of the incident in its entirety. The word count should be limited to around 400 words or less. More detailed information shall be provided in the body of the report.

[Include]

2. Persons Involved in the Event

Template Guidance: Insert Name, Job Title/Position and Company Name of all the Person involved in the Event that took place.

No.	Name	Job Title/Position	Company
	[Include]		

3. Terms of Reference

Template Guidance: Please copy TOR format and detail to attached here in final report.

[Include]

4. Investigation Team Members

Template Guidance: Insert Name, Job Title/Position and Company Name of an appointed lead investigator and investigation team member which is 2nd party, external to the installation or facility where the event occurred and may also include rig-based personnel.

No.	Name	Job Title/Position	Company
	[Investigation Team Lead]		
	[Investigation Team Member]		

5. Description of the Event

Template Guidance: The Description of the Event provides details of the operation as a whole and in more specific terms than the Executive Summary. This may include supporting photographs and diagrams as applicable.

[Include]

6. Event Timeline

Template Guidance: Provide detail of event timeline capturing all significant events, communications, and actions taken from the initial state until the incident time and to the final resolution.

[illegible]



EVENT INVESTIGATION REPORT

LEVEL I

Installation:
Event Date:



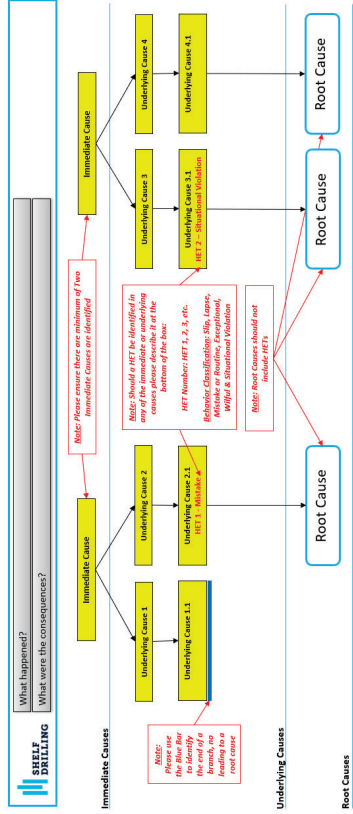
EVENT INVESTIGATION REPORT

LEVEL I

Installation:
Event Date:

7. Root Cause Flowchart

Template Guidance: Attached Completed Incident Root Cause Analysis Flow Chart here. Template is available in the Power Point Format. The below flowchart is just an example, aiming to assist the Root Cause Analysis with the incorporation of Human Error Traps and Behavior Classification.



8. Immediate Cause(s)

Template Guidance: Each immediate cause should reference the number of the corresponding tag shown in the RCA flowchart and provide additional information to explain each immediate cause where required.
Note: Without any one of the immediate causes, the incident would never have taken place.

IC1: [Enter Immediate Cause and supported description of findings]
IC2: [Enter Immediate Cause and supported description of findings]

Template Guidance: Should any of the immediate causes have an associated HET, ensure that the HET is identified here with a short description provided to explain the relation.

Human Error Trap / Human Behavior Classification Identification, if applicable:

HET 1: [Enter HET Categories: Slips/Lapses/Mistakes/Violations and Provide HET Description]
HET 2: [Enter HET Categories: Slips/Lapses/Mistakes/Violations and Provide HET Description]

9. Underlying Cause(s)

Template Guidance: Each underlying cause should reference the number of the corresponding tag shown in the RCA flowchart and provide additional information where required.

UC1: [Enter Underlying Cause and supported description of findings]
UC2: [Enter Underlying Cause and supported description of findings]

Template Guidance: Should any of the immediate causes have an associated HET, ensure that the HET is identified here with a short description provided to explain the relation.

Human Error Trap / Human Behavior Classification Identification, if applicable:

HET 3: [Enter HET Categories: Slips/Lapses/Mistakes/Violations and Provide HET Description]
HET 4: [Enter HET Categories: Slips/Lapses/Mistakes/Violations and Provide HET Description]

10. Root Cause or Cause(s)

Template Guidance: Each root cause should reference the number of the corresponding tag shown in the RCA flowchart and provide additional information where required. No HET should be identified within Root Causes

RC1: [Enter Root Cause and supported description of findings]
RC2: [Enter Root Cause and supported description of findings]

11. Lessons Learned:

Template Guidance: Describe Lessons Learned related to Root Causes, Underlying Causes, Immediate Causes and Human Error Traps where applicable.

Lesson Learn from IC1: [Enter Lesson Learn and supported description]
Lesson Learn from UC1: [Enter Lesson Learn and supported description]
Lesson Learn from RC1: [Enter Lesson Learn and supported description]
Lesson Learn from HET1: [Enter Lesson Learn and supported description]

12. DELTA Actions Recommendations

Template Guidance:
1. Describe Corrective Actions to address Root Causes.
2. Describe any Human Performance/Human Error Traps related Corrective Actions.
3. Push for Elimination, Substitution and Engineering Controls
4. Consider using the FAIR Model for all identified HETs corrective actions and improvement opportunities if applicable.

Item	Corrective Actions	Responsible Person	Target date
[RC1]	[Description of Corrective Action]		
[RC2]	[Description of Corrective Action]		
[RC3]	[Description of Corrective Action]		
[HET1]	[Description of Corrective Action]		
[HET2]	[Description of Corrective Action]		

Template Guidance:

1. Describe Improvement Opportunities to address Root Causes
2. Describe any Human Performance/Human Error Traps related Improvement Opportunities.
Push for Elimination, Substitution and Engineering Controls

Item	Improvement Opportunities	Responsible Person	Target date
[RC1]	[Description of Improvement Opportunity Action]		
[RC2]	[Description of Improvement Opportunity Action]		
[RC3]	[Description of Improvement Opportunity Action]		
[HET1]	[Description of Improvement Opportunity Action]		
[HET2]	[Description of Improvement Opportunity Action]		

13. List interviewed person(s) associated with the Incident:

Template Guidance: Insert person's Name, Job Title, and the position held when event took place.

No.	Name	Job Title/Position	Company
	[Include]		

14. Annexes:

Template Guidance: Attached all supporting document and evidence in this section (i.e. TBRA, PTW, Statement, Handover, Instruction, OEM Document & Specification, Interview and etc.)

EVENT INVESTIGATION
REPORT – LEVEL II

Template Guidance:

The document is a final investigation report for recording Level II incident investigation information using the Kelvin Top-Set Investigation Methodology process. This form is to be completed only if requested by Customer or another entity.

Text in **Blue highlight** is an explanation as a guidance to fill in the information under each topic. Template guidance should be deleted from the final report upon completion.

Case Number:

Initial Facts				
Event Classification:	<input type="checkbox"/> Incident	<input type="checkbox"/> Process Safety	<input type="checkbox"/> Near Hit/ Serious Near Hit	<input type="checkbox"/> Unsafe condition
Installation/ facility:		Rig Coordinates:	Customer:	
Date of the event:			Time:	
Rig area (place of occurrence on installation/ facility):				
Major rig operation:				
Machine, Tool, Material and/or Equipment Involved:				
Case categorization:				
<input type="checkbox"/> Personal Injury	<input type="checkbox"/> Loss of Containment	<input type="checkbox"/> Marine event	<input type="checkbox"/> Security event	<input type="checkbox"/> Well control event
<input type="checkbox"/> Project/ shipyard	<input type="checkbox"/> Property Damage	<input type="checkbox"/> Dropped object	Fall Height (feet):	Weight (kg):

Event Details			
Brief factual description of the Event:			
Involved person	Statement	Signature	Date
Person involved:			
Witness(es):			
Direct Supervisor:			
Consequences	Severity		
	Actual Severity	Potential severity	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
Property Damage:	<input type="checkbox"/>	<input type="checkbox"/>	



EVENT INVESTIGATION
REPORT – LEVEL II

Personnel Injury Facts									
Work Related?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Did person return to work immediately?		<input type="checkbox"/> Yes	<input type="checkbox"/> No			
Course of events:			Body part affected:						
Person returned to work?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Date returned to work	Lost Workdays:					
Disembarkation required:	<input type="checkbox"/> Emergency Disembarkation	<input type="checkbox"/> Non-Emergency Disembarkation	<input type="checkbox"/> Not Required						
Injured Person Details									
Name:			Employer:	Employee No.:					
Position:			Time shift started:	Time on shift:					
Day of Hitch:			Experience on Installation:	Time in Position:					
Age:									
Reported to Supervisor	Name:								
Additional information:									

Loss of Containment Facts	
Spill to surroundings:	<input type="checkbox"/> Air <input type="checkbox"/> Ground <input type="checkbox"/> Sea/ water <input type="checkbox"/> Contained onboard
Material spilled:	Volume (bbls):
Additional information:	

Property Damage Facts	
Property/ equipment damaged:	
Estimated loss:	
Additional information:	



EVENT INVESTIGATION
REPORT – LEVEL II

Near Hit Facts	
Near Hit Description:	
<i>Human Error Trap / Human Behavior Classification Identification, if applicable: (example: HET 1 - Lapse)</i>	
<i>Human Error Trap Description, if applicable</i>	

Event Investigation	
Immediate cause(s):	
<i>Human Error Trap / Human Behavior Classification Identification, if applicable: (example: HET 1 - Lapse)</i>	
<i>Human Error Trap Description, if applicable</i>	
Underlying cause(s):	
<i>Human Error Trap / Human Behavior Classification Identification, if applicable: (example: HET 1 - Lapse)</i>	
<i>Human Error Trap Description, if applicable</i>	
Root cause(s):	
<i>Human Error Trap / Human Behavior Classification Identification, if applicable: (example: HET 1 - Lapse)</i>	
<i>Human Error Trap Description, if applicable</i>	

Lessons Learned	
Corrective Actions:	
<i>Describe any lessons learned from the identified Root Causes.</i>	
Improvement Opportunity(ies):	
<i>Describe any lessons learned from the identified Root Causes.</i>	

DELTA Action Recommendations	
Corrective action(s):	
<i>Describe Corrective Actions to address Root Causes.</i>	
<i>Describe any Human Performance/Human Error Traps related Corrective Actions.</i>	
Improvement Opportunity(ies):	
<i>Describe Improvement Opportunities to address Root Causes.</i>	
<i>Describe any Human Performance/Human Error Traps related Improvement Opportunities.</i>	

Note: The investigation report must be attached to Dashboard HSE Event case.

Rig/Facility : Shelf Drilling Enterprise
Month : June-25

No	Date	time	After work hour?	New case / Follow up	Sex	Assistance activit	Diagnosis	Dx. for other	Category	Treatment	Possible work related
1	1-Jun-25	16:30	No	New			Muscle pain(myalgia)		Musculoskeletal	Ibuprofen tab / Counterpain cream / Advice	Illness - Non work related
2	2-Jun-25	17:00	No	New			Dermatitis		Skin	0.1% Hytison cream apply affected area	Illness - Non work related
3	3-Jun-25	9:00	No	New		Call CD	Other Eye symptom complaint	Hordeolum	Eye	Augmentin 1 gm 1x2 for 5 days / Para / Bufen	Illness - Non work related
4	3-Jun-25	16:00	No	New			Cough		Respiratory	Bisolvon tab / Paracetamol / Bufen tab / Advice	Illness - Non work related
5	4-Jun-25	13:00	No	New			Common Cold	Febrile illness	Respiratory	Paraceatmol 500 mg / Bufen 400 mg tab	Illness - Non work related
6	4-Jun-25	14:00	No	New			Gingivitis		Dental	Antiseptic mouth wash / Bufen 400 mg tab / Advice	Illness - Non work related
7	6-Jun-25	11:00	No	New			Headache		Neurological	Paraceatmol 500 mg / Bufen 400 mg tab	Illness - Non work related
8	7-Jun-25	11:00	No	New			Heartburn		Gastrointestinal	Antacid gel 15 ml / Advice	Illness - Non work related
9	7-Jun-25	12:00	No	New			Muscle pain(myalgia)		Musculoskeletal	Ibuprofen tab / Counterpain cream / Advice	Illness - Non work related
10	8-Jun-25	9:00	No	New			Heartburn		Gastrointestinal	Antacid gel 15 ml / Advice	Illness - Non work related
11	9-Jun-25	8:00	No	New			Muscle pain(myalgia)		Musculoskeletal	Ibuprofen tab / Counterpain cream / Advice	Illness - Non work related
12	9-Jun-25	17:00	No	New		Call CD	Cellulitis & Abscess	Left frank	Skin	Augmentin 1 gm 1x2 for 5 days / Para / Bufen	Illness - Non work related
13	10-Jun-25	12:00	No	New			Muscle pain(myalgia)		Musculoskeletal	Ibuprofen tab / Counterpain cream / Advice	Illness - Non work related
14	13-Jun-25	12:00	No	New			Cough		Respiratory	Anti cough syrup / Lozenges / Paracetamol	Illness - Non work related
15	14-Jun-25	12:00	No	New			Dermatitis		Skin	Betasone cream / Advice	Illness - Non work related
16	14-Jun-25	17:00	No	New			Other skin symptom	Athlete's foot	Skin	Mycozole power apply affected area	Illness - Non work related
17	15-Jun-25	13:00	No	New			Cough		Respiratory	Anti cough syrup / Lozenges / Paracetamol	Illness - Non work related
18	16-Jun-25	13:00	No	New			Gingivitis		Dental	Antiseptic mouth wash / Bufen 400 mg tab / Advice	Illness - Non work related
19	17-Jun-25	11:00	No	New			Cough		Respiratory	Anti cough syrup / Lozenges / Paracetamol	Illness - Non work related
20	18-Jun-25	10:00	No	New		Call CD	Other Respiratory symptom	Tonsillitis	Respiratory	Augmentin 1 gm 1x2 for 5 days / Para / Bufen	Illness - Non work related
21	19-Jun-25	11:00	No	New			Gingivitis		Dental	Antiseptic mouth wash / Bufen 400 mg tab / Advice	Illness - Non work related
22	20-Jun-25	13:00	No	New			Sore throat		Respiratory	Antiseptic mouth wash / Bufen 400 mg tab / Advice	Illness - Non work related
23	21-Jun-25	11:00	No	New			Headache		Neurological	Paraceatmol 500 mg / Bufen 400 mg tab	Illness - Non work related
24	22-Jun-25	12:00	No	New			Sore throat		Respiratory	Antiseptic mouth wash / Bufen 400 mg tab / Advice	Illness - Non work related
25	23-Jun-25	7:00	No	New			Common Cold		Respiratory	Nasotab 1x3 PC / Paraceatmol 500 mg / Vitamin C	Illness - Non work related
26	23-Jun-25	13:00	No	New			Gingivitis		Dental	Antiseptic mouth wash / Bufen 400 mg tab / Advice	Illness - Non work related
27	24-Jun-25	9:00	No	New			Other skin symptom	Athlete's foot	Skin	Mycozole power apply affected area	Illness - Non work related
28	24-Jun-25	14:00	No	New			Sore throat		Respiratory	Antiseptic mouth wash / Bufen 400 mg tab / Advice	Illness - Non work related

[illegible]

Shelf Drilling Enterprises HAZMAT INVENTORY Warehouse Dept															
No.	ITEM NUMBER	CHEMICAL NAME	PART NUMBER	MANUFACTURE	HMS			UNITS	QUANTITY PER UNIT (LBS)	MINIMUM	MAXIMUM	LOCATION	REMARK	NFPA	
					I	F	R	P							
1	647869	LUBRICANT, W/D FOR WIRE ROPE, CHAIN AND CABLE 35 LB / 16 KG PAIL	28516	JET LUBE INC					PAIL	3	2	4	GREASE-STORE		
2	647916	LUBRICANT, AQUA LUBE 35 LB PAIL	AQUA LUBE-SGL-35LB-PAIL	D.A. STUART CO.					PAIL	1	0	1	GREASE-STORE		NFPA H2 F1 I0
3	69243	COMPOUND, DRILL COLLAR/TOOL JOINT KOPR-KOTE 47 LB / 21.4 KG PAILS WITH LINER	10151L	JET LUBE INC	2	1	0	X	PAIL	16	18	24	GREASE-STORE		
4	748553	WATER, DISTILLED 1 GAL. IN PLASTIC CONTAINER	DW-1GAL	MOUNTAIN VALLEY WATER CO.					GALLON	2	1	2	GREASE-STORE		
5	1132450	GREASE, CASTROL HIGH TEMPERATURE 18 KG PAIL REPLACES CASTROL LMX	16844350	CASTROL					PAIL	6	4	6	GREASE-STORE		
6	1149222	GREASE, TRIBOL MOLUB-ALLOY 936 SF-H5 GAL PAIL	936SF-H	CASTROL	1	1	0	X	EACH	2	8	12	GREASE-STORE		NFPA H0 F1 I0
7	20063721	GREASE, SHELL GADUS S2 V100 3.18 KG PAIL TOP DRIVE 752 DC MOTOR	GADUS S2 V100 3	SHELL OIL COMPANY	0	1	0	B	EACH	4	0	1	GREASE-STORE		
8	20108634	OIL FILM, THERMYL TUFF- 300, 5 GAL/ PAIL	THERMYL TUFF 300	R S CLARK & CO. LTD.	0	1	0	N/A	EACH	4	3	5	GREASE-STORE		
9	20101888	LUBRICANT, VALVE SEALANT 60L SYNTHETIC VALVE LUBRICANT AND SEALANT	D0588	ROYAL PURPLE SYNTHETIC LUBRACA	0	1	0	B	EACH	2	1	2	GREASE-STORE		
10	20102669	GREASE, HEAVY DUTY, MOLUB ALLOY 777-2, MEETS MILG1 CONSISTENCY GRADE 2, 18KG/PAIL	114074	CASTROL	0	1	0	N/A	PAIL	1	4	8	GREASE-STORE		
11	20110084	LUBRICANT, CHAIN SYNTHETIC HIGH TEMPERATURE	VISCOGEN KL 23	CASTROL	1	4	1	B	EACH	1	0	1	GREASE-STORE		
12	20146389	LUBRICANT, WIRE ROPE, BROWN GREASE, PSEUDOPLASTIC WIRE ROPE DRESSING, 18 KG/PAIL	WRL-510	MET ALUBE LIMITED					PAIL	4	2	4	GREASE-STORE		
13	20176084	FLUID, SOLUBLE, METAL-WORKING, ALMAREDEGE BI, 20LTRS PAIL	ALMAREDEGE BI	CASTROL					PAIL	1	0	1	GREASE-STORE		
14	20187133	GREASE, ULTRA PERFORMANCE, ROYAL PURPLE 35312, 35.185/PAIL, FOR SKIDDING	35312	ROYAL PURPLE SYNTHETIC LUBRACA	0	1	0	N/A	EACH	9	5	10	GREASE-STORE		
15	20198770	FLUID, WATER MISCIBLE METALWORKING, DROMIUS BA TH, 20U/PAIL	200485-01	HOUGHTON SINGAPORE					PAIL	5	3	5	GREASE-STORE		
16	20207246	CLEANER, ELECTRICAL, ODORLESS, EVAPORATES WITHOUT LEAVING RESIDUE, NON EMULSIFYING, NON CONDUCTI	ELECTROCLEANSE-25L	VECOM MARINE	2	0	0	C	PAIL	2	0	2	GREASE-STORE		
1	638548	SILICONE, RUBBER COMPOUND 30.3 OZ WHITE CARTRIDGE	2KVG1	GRAINGER, W W INC - TEEL DIV					EACH	20	12	24	YELLOWDICKER-1		
2	638352	SILUCONE, RUBBER COMPOUND 30.1 OZ CLEAR CARTRIDGE	RTV-732-CL-10.1	DOW CHEMICAL INTERNATIONAL INC					EACH	10	6	12	YELLOWDICKER-1		
3	684671	CLEANER, CONTACT 16 OZ	3140	CRC DIST/TWIN SPECIALTIES CORP	1	0	0	B	EACH	10	6	18	YELLOWDICKER-1		
4	686546	CLEANER, SPOTCHECK, 400ML CONTAINER	SIC-5	MAGNAFLUX CORP					EACH	12	6	12	YELLOWDICKER-1		
5	686277	RESIN, WIRELOCK 500 CC WIRE ROPE COLD SOCKETTING SYSTEM CONSISTING OF POL YESTER RESIN AND FILLER, APP	10-3906	CROSBY GROUP THE					EACH	4	2	4	YELLOWDICKER-1		
6	693906	CLEANER, LECTRA CLEAN AEROSOL	2120	CRC DIST/TWIN SPECIALTIES CORP	2	0	0	B	EACH	11	6	12	YELLOWDICKER-1		
7	7167678	CLEANER, BRAKE 15 OZ AEROSOL	13P447	GRAINGER, W W INC - TEEL DIV	1	4	0	B	EACH	2	1	2	YELLOWDICKER-1		
8	759351	LUBRICANT, ANTI-RUST AQUA LUBE 8 OZ TUBE	AQUA LUBE-8OZ	D.A. STUART CO.					EACH	25	7	15	YELLOWDICKER-1		
9	1087011	CLEANER, OFFICE DUSTER 3 10 OZ COMPRESSED GAS	REARH3507	READ/RIGHT	1	2	0	N/A	EACH	12	6	12	YELLOWDICKER-1		Coolman HIMS HI FD RD
10	1158335	PAINT, SPRAY, RED	4404609	ARCO WALKER ABERDEEN					EACH	11	6	18	YELLOWDICKER-1		
11	10076179	PAINT, SPRAY, SAFETY GREEN	1010099/100025	KRYLON DEPT - BORDEN INC					EACH	9	6	18	YELLOWDICKER-1		
12	10103805	PAINT, SPRAY, WHITE, AEROSOL CAN	62820000	PROFFPARTNER					EACH	9	6	18	YELLOWDICKER-1		
13	10103811	PAINT, SPRAY, YELLOW	62820125	PROFFPARTNER					EACH	6	6	18	YELLOWDICKER-1		
14	10138979	PAINT, SPRAY, BLACK, AEROSOL CAN	62820398	PROFFPARTNER					EACH	15	6	18	YELLOWDICKER-1		
15	10132387	GAS, CALIBRATION 58 LITER QUAD GAS MIX RP 60 PPM CO 20 PPM H2S 15% O2 1.45% CH4	10045035	MINE SAFETY APPLIENCES COMPANY					EACH	2	1	2	YELLOWDICKER-1		
16	20080807	COMPOUND, CAULKING COMPOUND, CAULKING	764911	MCMASTER CARR SUPPLY COMPANY	0	0	0	N/A	EACH	6	2	4	YELLOWDICKER-1		
17	20034919	DEVELOPER, SPOT CHECK, CRACK DETECTION, DYNALUX P/N P-NF	P-NF	SHERWIN-WILLIAMS COMPANY					EACH	8	3	6	YELLOWDICKER-1		NFPA H0 F1 I0
18	20103951	GAS, CALIBRATION, CYLINDER, 58 LTR, BAL, 25PPM, H2S BALANCE AIR	CFR8A310108/A0201387	CAUGAZ	1	0	3	N/A	EACH	3	2	4	YELLOWDICKER-1		
19	20139447	TESTER, SMOKE DETECTOR SOLID A3	425-2849	SOLO-TESTER					EACH	3	1	3	YELLOWDICKER-1		
20	20186885	FOAM, POLYURETHANE, SHIA BOOM AP, 500 ML	117430	SHC					EACH	4	2	4	YELLOWDICKER-1		
21	20172812	CYLINDER, CALIBRATION GAS, METHANE 2.5% (50% LEI), AIR BALANCE	60360248	CAUGAZ					EACH	3	3	4	YELLOWDICKER-1		
22	20176331	DEVELOPER, PENETRANT, 36 OZ AEROSOL CAN FOR NDT INSPECTION	PT-SN-D100-001	SHERWIN-WILLIAMS COMPANY					EACH	10	6	12	YELLOWDICKER-1		NFPA H0 F1 I0
23	20220577	PAINT, SPRAY, BLUE COLOR	250 7014	RS COMPONENTS LTD					EACH	7	6	12	YELLOWDICKER-1		
1	638728	COMPOUND, ZINCIT COLD GALVANIZE SPRAY AEROSOL, 16 OZ CAN 13 OZ NET	38412	CRC DIST/TWIN SPECIALTIES CORP	2	4	1	B	EACH	16	6	18	YELLOWDICKER-2		
2	696307	COMPOUND, NEVER-SEEZ 8 OZ BRUSH TOP CAN	NSR1-F8	NEVER-SEEZ COMPOUND CORP	1	1	0	X	EACH	4	4	8	YELLOWDICKER-2		
3	708356	COMPOUND, THREAD-LOCKING KIT 8 OZ BAKERLOK	4324	CRAIG GROUP INTERNATIONAL SUPP	2	1	0	B	EACH	4	3	6	YELLOWDICKER-2		
4	716882	OIL, PENETRATING WD-40 SPRAY CAN 11 OZ	80516	WD-40 COMPANY	1	4	0	N/A	EACH	14	12	18	YELLOWDICKER-2		
5	784472	GREASE, CLIMAX STANDARD TEMPERATURE SERVICE 32 DEG F TO 250 DEG F K SIZE STICK	3256666	FMC BEAN	1	1	0	B	EACH	18	12	24	YELLOWDICKER-2		
6	1129591	FLUID, INDICATOR W-15 QUART	W15	NOV MARTIN DECKER	2	1	0	B	EACH	4	2	5	YELLOWDICKER-2		
7	1132405	GREASE, CASTROL HIGH TEMPERATURE 12 X 400G REPLACES CASTROL LMX	150340	CASTROL	1	1	0	X	CASE	1	2	4	YELLOWDICKER-2		
8	10072438	INHIBITOR, OSPHO RUST CARE 1 GALLON CONTAINER	71620	SHRYBATE COMPANY	2	0	0	H	GALLON	1	0	1	YELLOWDICKER-2		
9	10035502	BOTTLE, APPLICATOR 1 PINT (16 OUNCE) COMPLETE WITH SPRAY NOZZLE FOR USE WITH WD-40	10000	WD-40 COMPANY					EACH	4	3	6	YELLOWDICKER-2		
10	10074797	LUBRICANT, PENETRATING, WD-40, 5 LITERS CAN, P/N WD-40	5A283	GRAINGER, W W INC - TEEL DV	1	2	0	N/A	EACH	3	2	4	YELLOWDICKER-2		
11	10187499	ADHESIVE, PVC, 480 GR FOR WATER MAKER DEMITEC RO MDL SW-8040/6	9711-PVC480	HATEN-BOER WATER B.V.					EACH	1	0	1	YELLOWDICKER-2		
12	10182545	CLEANER, PVC, HATENBOER WATER P/N 9711-MEK1000	9711-MEK1000	HATEN-BOER WATER B.V.					EACH	1	0	1	YELLOWDICKER-2		NFPA H2 F0 I0
13	20139880	SEALANT, HYLOMAR UNIVERSAL BLUE - 3.5 OZ TUBE	196-7971	HYLOMAR LTD					EACH	3	2	3	YELLOWDICKER-2		
14	20139889	OIL, COMPRESSOR SYNTHETIC 1 GALLON	010024	BAUER COMPRESSORS INC					EACH	0	0	0	YELLOWDICKER-2		
15	20141112	GREASE, SHELL GADUS S2 V100 2 400G	GADUS S2 V100 2-400G5-SHELL	SHELL OIL COMPANY					EACH	16	6	18	YELLOWDICKER-2		NFPA H0 F1 I0
16	20184481	GREASE, CARTRIDGE, 14 OZ, LITHIUM COMPLEX, TEMP. RATING -18 TO 260 DEGREE CELSIUS	31750	JET LUBE INC					EACH	13	0	0	YELLOWDICKER-2		Need to set Min/Max
17	20165985	GREASE, CARTRIDGE BEARING TRACTION MOTOR, LITHIUM SOAP-BASED, FOR GENERATOR, GADUS S2 110 TUBES/P	550027628	SHELL OIL COMPANY					BOX	1	0	1	YELLOWDICKER-2		
18	20174519	GREASE, PROD. NAME, SHELL GADUS S2 V220 2, CONT. 400G	GADUS S2 V220 2, 400G	SHELL OIL COMPANY					EACH	4	2	5	YELLOWDICKER-2		
19	20139479	SOLVENT CEMENT, CLEAR SIZE 8, FOR USE WITH PVC PIPE AND FITTINGS	29H488	GRAINGER, W W INC - TEEL DV	2	0	0	N/A	EACH	2	0	1	YELLOWDICKER-2		
20	20177743	CLEANER, LIQUID, SPRAYER HEAD, MAGICLEAN, CLEAN OIL ACTION, 500 ML/BOTTLE	60252691	MAGIC CLEAN					EACH	12	6	18	YELLOWDICKER-2		

Sheff Drilling Enterprise																			
HAZMAT INVENTORY																			
Warehouse Dept																			
No.	ITEM NUMBER	CHEMICAL NAME	PART NUMBER	MANUFACTURE				HMS			UNITS	QUANTITY PER UNIT (LBS)	MINIMUM	MAXIMUM	LOCATION	REMARK	NPFA		
				I	F	R	P												
21.	2017744	BRUSH, 38 SCRUBBER JET GREEN CT*12, SCOTCH-BRITE, SAP CODE: 100216194	184010356								EACH	12	6	12	YELLOWLOCKER- 2				
22	20187082	GREASE, 400G CTG. FOR AIR COMPRESSOR	AG92844729	0	3	0	N/A				EACH	4	0	1	YELLOWLOCKER- 2				
23	20215300	OIL, PENETRATING, 11 OZ. ANTI SEIZE FORMULA FOR CORROSION AND LOOSENS RUSTED BOLTS AND PARTS	L112	2	1	0	N/A				EACH	14	12	24	YELLOWLOCKER- 2				
24	20220796	VINEGAR, DISTILLED, 5000ML FOOD-GRADE, GOLDEN MOUNTAIN BRAND, FOR DRAWWORK BRAKE CLEANING	VINEGAR_5000ML								EACH	6	5	10	YELLOWLOCKER- 2				
25	20223807	LUBRICANT, SPRAY, PENETRATE, FOR CHAIN & WRENCH, 400ML / CAN	H0500								EACH	23	0	0	YELLOWLOCKER- 2				
				Updated on:															
				Updated by:															
				</															

Plug and Abandonment

Operator : PTTEP

Well Name : PMWC-27

Depth/TVD : 0.00 mMD/ 0.00 mTVD

Report For :

Field/Area : Plameuk

Water Depth 72.78

Shelf Drilling / Shelf Drilling Enterprise

Location : Gulf of Thailand

Activity : RIH 7" Bridge plug

Report For :

Mud Type : Seawater

Engineering Charges:

Chemical cost:

Equipment:

Screens:

Total Daily Cost:

Daily Tax:

Cumulative Interval

Cumulative Well

Engineering Costs		Unit Price		Qty Charged		Daily Engineering Cost			Cumulative Engineering cost			
				Daily	Cum							
MUD ENGINEER												
SECOND MUD ENGINEER												
MUD ENGINEER (Quarantine)												
SECOND MUD ENGINEER (Quarantine)												
Product Costs		Unit	Unit	Start	Daily	Cum	Daily	Cum	Daily	Cum.	Final	Daily
Inventory & Consumption		Size	Price	Amount	Used	Used	Rec'd	Rec'd	Return	Return	Stock	Cost
BENTONITE	25 kg bag			240								
BRINE-PAC 1500 A	5 gal			44								
CaCl2	25 kg bag											
CaCO3 C	25 kg bag											
CaCO3 F	25 kg bag											
CaCO3 GM 150	25 kg bag											
CaCO3 GM 50	25 kg bag											
CaCO3 GM SC	25 kg bag											
CaCO3 M	25 kg bag											
CARBO-MUL TH	55 gal dr											
CHEK-LOSS	25 lb bag											
DFE-938	25 lb bag											
H2S SCAVENGER	55 gal dr			8								
HDC MK II 55 GAL DRUM, PTTEP	55 gal dr											
IODINE	25 kg bag			3								
KCL	25 kg bag			320								
LIME	25 kg bag											
LUBE R PLUS	55 gal dr											
MAGMA-PLEX	50 lb bag											
MAGMA-TROL	25 kg bag											
MIL-BAR	MT			177								
MUL HT 450	55 gal dr											
NOXYGEN XT	25 kg bag			4								
OMNILUBE 655	55 gal dr											
OVA CLEAN	55 gal dr											
OVA-KLEAN	55 gal dr											
OVA-VIS	55 gal dr											
OVAGEL HT	25 kg bag											
OVATROL HT	50 lb bag											
OVATROL XHT	50 lb bag											
PAC LV	25 kg bag											
PHPA	25 kg bag											
POTASSIUM IODIDE	25 kg bag			13								
SARALINE 185V Q3/2025	1 m3											
SARALINE 185V Q2/2025	1 m3											
SODA ASH	25 kg bag			68								
SYN GRAPHITE F	25 kg bag											
SYN GRAPHITE M	25 kg bag											
THPS 35%	5 gal			41								
XANPLEX D	25 kg bag			40								
XANPLEX XPR	25 kg bag			150								

Preventive Maintenance Work Order - Manag - Search for Equipment Work Orders

Personal Form: (No Personalizat































Order Definition People Dates Category Codes

Equipment Number 77580 ENVIRONMENTAL SPILL KITS Status
Order Type WM Maintenance Work Order
Type 6 Preventive Maintenance Order
Rig RIGSDE Shelf Drilling Enterprise
PA Number

MF MG
Previous Order Number
☐ Include Models

WO Instruction Print Multiple WO

Records 1 - 15 > ⌕												
												
Order Number	Or Ty Description	Assigned To	Service Days	Service Hours	Asset Number	System	Component	Asset Number Description	Operation Criticality	Creation Date	Due Date	Complete Date
 6233535	EEQ-SAFE-30D	8004	30		77580	EVN	EEQ	ENVIRONMENTAL SPILL KITS	H	04/26/2025	04/29/2025	05/14/2025
 6234339	EEQ-SAFE-30D	8004	30		77580	EVN	EEQ	ENVIRONMENTAL SPILL KITS	H	05/26/2025	05/29/2025	06/17/2025
 6235159	EEQ-SAFE-30D	8004	30		77580	EVN	EEQ	ENVIRONMENTAL SPILL KITS	H	06/25/2025	06/28/2025	07/17/2025
 47501887	EEQ-SAFE-30D	8004	30		77580	EVN	EEQ	ENVIRONMENTAL SPILL KITS	H	01/17/2021	01/20/2021	01/23/2021
 47507200	EEQ-SAFE-30D	8004	30		77580	EVN	EEQ	ENVIRONMENTAL SPILL KITS	H	02/16/2021	02/19/2021	02/18/2021
 47520113	EEQ-SAFE-30D	8004	30		77580	EVN	EEQ	ENVIRONMENTAL SPILL KITS	H	03/18/2021	03/21/2021	03/28/2021
 47527091	EEQ-SAFE-30D	8004	30		77580	EVN	EEQ	ENVIRONMENTAL SPILL KITS	H	04/17/2021	04/20/2021	04/22/2021
 47532915	EEQ-SAFE-30D	8004	30		77580	EVN	EEQ	ENVIRONMENTAL SPILL KITS	H	05/17/2021	05/20/2021	05/28/2021
 47539931	EEQ-SAFE-30D	8004	30		77580	EVN	EEQ	ENVIRONMENTAL SPILL KITS	H	06/16/2021	06/19/2021	06/22/2021
 47546583	EEQ-SAFE-30D	8004	30		77580	EVN	EEQ	ENVIRONMENTAL SPILL KITS	H	07/16/2021	07/19/2021	07/24/2021
 47552035	EEQ-SAFE-30D	8004	30		77580	EVN	EEQ	ENVIRONMENTAL SPILL KITS	H	08/15/2021	08/18/2021	08/20/2021
 47558998	EEQ-SAFE-30D	8004	30		77580	EVN	EEQ	ENVIRONMENTAL SPILL KITS	H	09/14/2021	09/17/2021	09/19/2021
 47565813	EEQ-SAFE-30D	8004	30		77580	EVN	EEQ	ENVIRONMENTAL SPILL KITS	H	10/14/2021	10/17/2021	10/19/2021
 47572790	EEQ-SAFE-30D	8004	30		77580	EVN	EEQ	ENVIRONMENTAL SPILL KITS	H	11/13/2021	11/16/2021	11/14/2021
 47582664	EEQ-SAFE-30D	8004	30		77580	EVN	EEQ	ENVIRONMENTAL SPILL KITS	H	12/13/2021	12/16/2021	01/01/2022

แท่นเจาะ-3.11 รายการอุปกรณ์สำหรับตอบสนองต่อกรณีการหกรั่วไหล
และตัวอย่างรายงานการบำรุงรักษาเชิงป้องกัน

	OIL SPILL RESPONSE KIT	
	HDPE WHEELIE YELLOW BIN, 240LTR	
Item	Packing list	QTY
1	SPILL KIT -OIL ONLY	
2	PAD-OO-6 (Absorbents pad)	1 Pack(100 EA)
3	Spill Pillow 25x35x3 cms.	4 pcs
4	Spill Sock 3x4 ft.	6 pcs
5	Waste bags	4 pcs
6	Disposable coveralls	2 pcs
7	Chemical gloves	2 pcs
8	Goggles	2 pcs
9	Degreaser T10	1 Gallon (5 Ltr.)

	Chemical spill response kit	
Item	Packing list	QTY
1	PAD-CA-4 Chemical Absorbent (Yellow) Dimpled Pad.	2 cartons
	400x500x4 mm	(100 pcs/carton)
2	Universal Absorbent, 25 lbs bag	2 pcs
3	Hazardous waste bag, heavy duty	4 pcs
4	Disposable coverall	2 pcs
5	Chemical Glove	2 pairs
6	Goggle	2 EA
7	Deep Clean-Concentrate T25	1 Gallon (25 Ltr.)
8	Square noose shovel	1 EA



SDE 13 5/8" x 10k BOP SPACE - OUT

PLATFORM:

PMWC

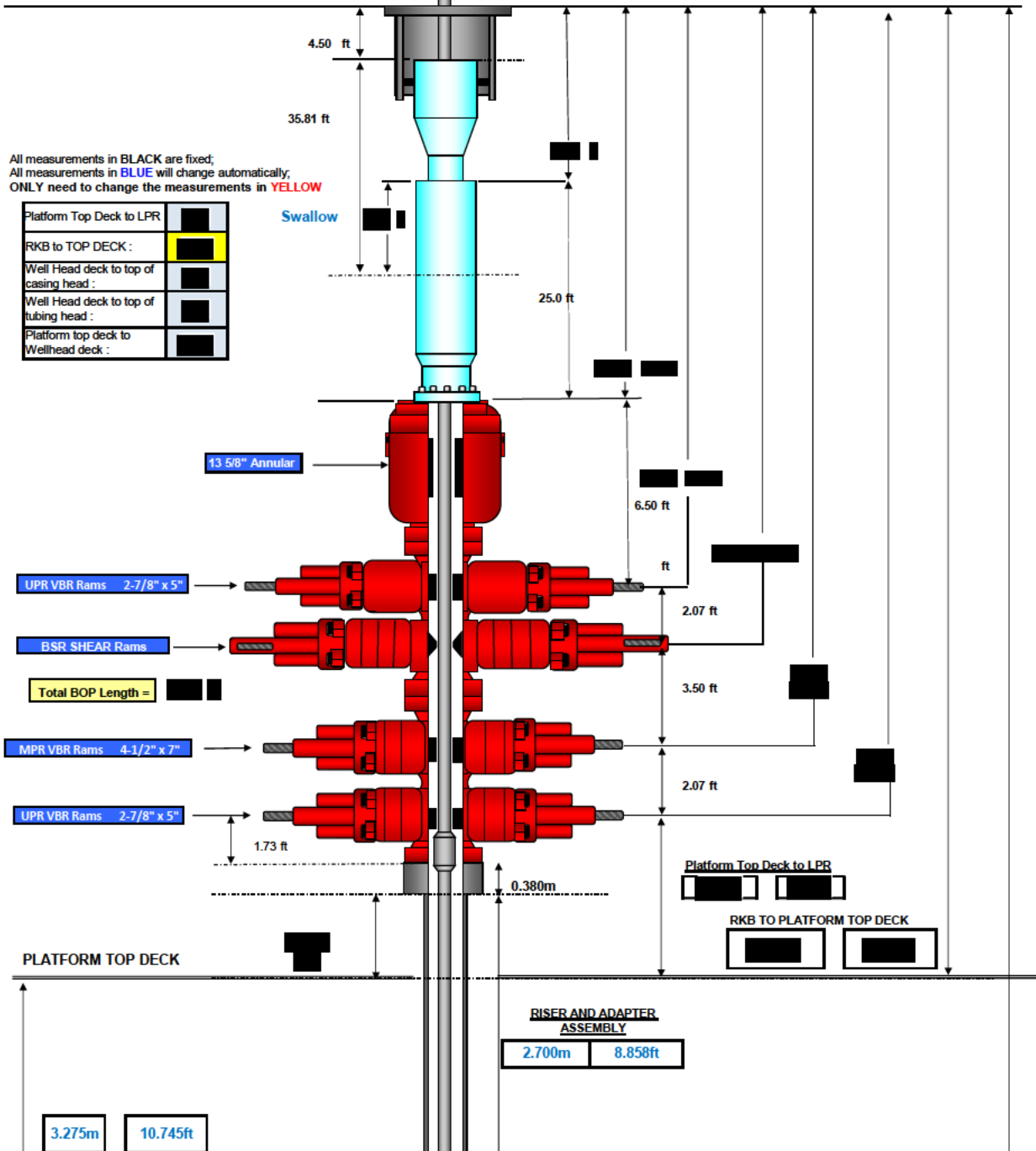
RKB

Well:

PMWC

All measurements in BLACK are fixed;
All measurements in BLUE will change automatically;
ONLY need to change the measurements in YELLOW

Platform Top Deck to LPR	
RKB to TOP DECK :	
Well Head deck to top of casing head :	
Well Head deck to top of tubing head :	
Platform top deck to Wellhead deck :	



Shelf Drilling Enterprise

Date Start/End
Well/Slot
Pipe Size
Ram Lock Used (Y/N)
BOP function from

07-Jul-25
PMWC
2-7/8", 5", 7" Mandrel
Yes
Kooomey unit

OIM:
Toolpusher:
Cementer:
DSM:
BOP location
Next Test Due :

Test Stump

28-Jul-25

NAME

SIGNATURE

Number in Test Chart	Test Procedure #	Attempt	Test Description	Low Pressure (psi)	High Pressure (psi)	Test Result	Test Chart #	Note on test/ re-test
BOP TEST ON STUMP and ONLINE with 2-7/8", 5", 7" TEST mandrel AND 5" TEST ASSEMBLY								
1	BOP Test #1 test cement line	1	Line Test	250 - 350	5000	PASS	1	
2	BOP Test #2 2-7/8" Mandrel	1	Test LPR - 2-7/8"	250 - 350	5000	PASS	1	RAMS LOCK: FWD-32,, AFT-32
3	BOP Test #3 2-7/8" Mandrel	1	Test UPR - 2-7/8" HCR, Choke/Kill	250 - 350	5000	PASS	1	RAMS LOCK: FWD-33, AFT-30
4	BOP Test #4 2-7/8" Mandrel	1	Test Annular - 2-7/8"	250 - 350	3500	FAIL	1	
4.1	BOP Test #4 2-7/8" Mandrel	2	Test Annular - 2-7/8"	250 - 350	3500	PASS	1	Exercise Annular- Flush line
5	BOP Test #5 5" Mandrel	1	Test LPR - 5"	250 - 350	5000	PASS	1	RAMS LOCK: FWD-32, AFT-31
6	BOP Test #6 5" Mandrel	1	Test MPR - 5". Choke & Kill Hoses, Valve #1 & 2 on Choke Manifold	250 - 350	5000	PASS	1	RAMS LOCK: FWD-32, AFT-31
7	BOP Test #7 5" Mandrel	1	Test UPR - 5"	250 - 350	5000	PASS	1	RAMS LOCK: FWD-32, AFT-31
8	BOP Test #8 7" Mandrel	1	Test MPR - 7". Manual Choke & Kill.	250 - 350	5000	PASS	1	RAMS LOCK: FWD-32, AFT-31
9	BOP Test #9 7" Mandrel	1	Test Annular - 7"	250 - 350	3500	PASS	1	
10	BOP Test #10 BSR + Flange	1	Test ISR and Blind Flange	250 - 350	5000	PASS	1	RAMS LOCK: FWD-32, AFT-31
CHOKE & KILL MANIFOLD TEST								
1	Choke Test #1	1	Test Choke & Kill Valve #3	250 - 350	5500	PASS	2	
2	Choke Test #2	1	Test Choke & Kill Valve #1, 2, 4, 6, 7, 21, 23	250 - 350	5500	PASS	2	
3	Choke Test #3	1	Test Choke & Kill Valve #1, 6, 7, 8, 16, 17, 18, 22, 23	250 - 350	5500	PASS	2	
4	Choke Test #4	1	Test Choke & Kill Valve #1, 6, 7, 8, 16, 17, 18, 19, 20	250 - 350	5500	PASS	2	
5	Choke Test #5	1	Test Choke & Kill Valve #1, 6, 7, 12, 14, 15, 16, 18,	250 - 350	5500	PASS	2	
6	Choke Test #6	1	Test Choke & Kill Valve #1, 6, 11, 13, 16	250 - 350	5500	PASS	2	
7	Choke Test #7	1	Test Choke & Kill Valve #1, 6, 10, 16	250 - 350	5500	PASS	2	
8	Choke Test #8	1	Test Choke & Kill Valve #1, 9, 16	250 - 350	5500	PASS	2	
9	Choke Test #9	1	Test Choke & Kill Valve #1, 5	250 - 350	5500	PASS	2	
STANDPIPE MANIFOLD								
1	STP Manifold Test #1	1	Test standpipe valve# 3	250 - 350	5500	PASS	3	
2	STP Manifold Test #2	1	Test standpipe valve# 6, 11, 12, 13, MP valve# 15, 16, 17, 18, 19, 20, 23	250 - 350	5500	FAIL	3	
2.1	STP Manifold Test #2	2	Test standpipe valve# 6, 11, 12, 13, MP valve# 15, 16, 17, 18, 19, 20, 23	250 - 350	5500	PASS	3	Exercise valve- Flush line
3	STP Manifold Test #3	1	Test standpipe valve# 1, 2, 6, 7, 9, 12, 13	250 - 350	5500	PASS	3	
4	STP Manifold Test #4	1	Test standpipe valve# 2, 4, 6, 10, 12, 13	251 - 350	5500	PASS	3	
5	STP Manifold Test #5	1	Test stand pipe valve 2, 4, 6, 8	250 - 350	5500	PASS	3	
6	STP Manifold Test #6	1	Test stand pipe valve 4, 5, 6	250 - 350	5500	PASS	3	
CEMENT MANIFOLD								
1	Cement manifold Test #1	1	Cement Manifold Valve #C1, C2	250 - 350	5500	PASS	4	
2	Cement manifold Test #2	1	Cement Manifold Lo-torq Valve #1	250 - 350	5500	PASS	4	
3	Cement manifold Test #3	1	Cement Manifold Valve #1	250 - 350	5500	PASS	4	
TDS L/U I-BOP & KELLY HOSE								
1	Test #1	1	Kelly Hose, washpipe, std pipe v/v #11	250 - 350	5500	PASS	5	
2	Test #2	1	Upper IBOP	250 - 350	5500	PASS	5	
3	Test #3	1	Lower IBOP	250 - 350	5500	PASS	5	
OFFLINE FOSV & IBOP TEST								
1	5" Gray Valve	1	SN# GM49598	250 - 350	5500	PASS	6	
2	5" Gray Valve	1	SN# GM49599	250 - 350	5500	PASS	6	
3	5" TIW Valve	1	SN# GM49596	250 - 350	5500	PASS	6	
4	5" TIW Valve	1	SN# GM49597	250 - 350	5500	PASS	6	
5	4" Gray Valve (TT390)	1	SN# GM53713	250 - 350	5500	PASS	7	
6	4" Gray Valve (TT390)	1	SN# GM53715	250 - 350	5500	PASS	7	
7	4" TIW Valve (TT390)	1	SN# GM53733	250 - 350	5500	PASS	7	
8	4" TIW Valve (TT390)	1	SN# GM53729	250 - 350	5500	PASS	7	