

ภาคผนวก ข-28

บันทึกการตรวจสอบคุณภาพของอุปกรณ์ เครื่องมือ เครื่องจักร



รายการตรวจสอบบำรุงรักษาส้วมแท่น ประจำเดือน ของบริษัท อมตะ บี กริม เพาเวอร์ ะยอง 3 4 จำกัด



ข้อ	รายละเอียด	ปี พ.ศ. 2566											
		ม.ค.	ก.พ.	มี.ค.	เม.ย.	พ.ค.	มิ.ย.	ก.ค.	ส.ค.	ก.ย.	ต.ค.	พ.ย.	ธ.ค.
1	ตรวจสอบความสะอาดของส้วมแท่น	0	0	0	0	0	0	0	0	0	0	0	0
2	ตรวจสอบเช็คสภาพการพร้อมใช้ของสายไฟ ปลั๊กไฟ มอเตอร์	0	0	0	0	0	0	0	0	0	0	0	0
3	ตรวจสอบเช็คสภาพการพร้อมใช้ของหัวจับดอกสว่าน	0	0	0	0	0	0	0	0	0	0	0	0
4	ตรวจสอบเช็คสภาพการใช้ของมือหมุน	0	0	0	0	0	0	0	0	0	0	0	0
5	ตรวจสอบเช็คการทำงานของตัวจับยึดเจาะชิ้นงาน	0	0	0	0	0	0	0	0	0	0	0	0
6	ตรวจสอบเช็คการทำงานของสวิตช์เปิด-ปิดและทดสอบเดินเครื่อง	0	0	0	0	0	0	0	0	0	0	0	0
7	ตรวจสอบการทำงานของน้ำมันหล่อเย็น	0	0	0	0	0	0	0	0	0	0	0	0
8	ตรวจสอบเช็คการปรับรอบระหว่างการทำงาน	0	0	0	0	0	0	0	0	0	0	0	0
9	ตรวจสอบการทำงานของปั๊มหยุดฉุกเฉิน	0	0	0	0	0	0	0	0	0	0	0	0
10	ตรวจสอบเช็ควันหมดอายุของสติ๊กเกอร์ INSPECTION TAG	0	0	0	0	0	0	0	0	0	0	0	0
ผู้ตรวจสอบ		PRD	CDP	CDP	CDP	CDP	CDP	PRD	CDP	CDP	CDP	CDP	CDP
หมายเหตุ		รายชื่อผู้ตรวจสอบ:											
ตรวจสอบทุกวันศุกร์สุดท้ายของเดือน		1. ECM				เอกชัย				มณีวงศ์			
		2. ADT				อัษฎางค์				ทัพป้อม			
		3. PRD				ไพโรจน์				ดวงจันทร์			
		4. CDP				เจษฎา				เพ่งพิศ			
						การตรวจสอบ:				O = ปกติ			
										X = ผิดปกติ			



Amata B.Grimm Power (Rayong) 3 4

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Steam Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4		Location: BOP Steam turbine#30#40	
System : Steam Turbine		Sub-System : Steam turbine Module	
Plant Unit : <input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 3		<input type="checkbox"/> Amata B.Grimm Power (Rayong) 4	
Equipment KKS : <input checked="" type="checkbox"/> 30MAA <input type="checkbox"/> 40MAA		Equipment Name : <input checked="" type="checkbox"/> ST30 Module <input type="checkbox"/> ST40 Module	
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input type="checkbox"/> Unit Standby / Shutdown		PTW Number : <u>GW5543</u> W/O Number : <u>Wk231204.0008</u> Date : <u>20-12-23</u>	

Item	Action	Job Detail	Limit	Data record	Remark
1	Check	Check general conditions around ST module	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal		
2	Check	Check ST insulation abnormal	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal		
3	Check	Check any steam leak out from flange connecting	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Found leaked		
4	Record	Steam Turbine Bearing.1 Vibration	> 118 μ m.	<u>16, 14</u> μ m.	***MAA10CY011/012
5	Record	Steam Turbine Bearing.1 Temperature	> 120°C	<u>6, 88, 98</u> °C	***MAD10CT010/015/020
6	Record	Steam Turbine Bearing.2 Vibration	> 118 μ m.	<u>12, 10</u> μ m.	***MAA20CY011/012
7	Record	Steam Turbine Bearing.2 Temperature	> 120°C	<u>98</u> °C	***MAD20CT010
8	Record	Steam Turbine Impulse Chamber Pressure		<u>45</u> barg.	***MAA10CP010
9	Record	Steam pressure bleeb.1 (downsteam the reaction stage)		<u>44.5</u> barg.	***LBQ10CP001
10	Record	Steam pressure bleeb.2 (downsteam the control stage)		<u>29.5</u> barg.	***LBQ11CP001
11	Check	Abnormal conditions of Emergency stop valve	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal		***MAA10AA310
12	Check	Abnormal conditions of Live steam control valve.1	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal		***MAA10AA320
13	Check	Abnormal conditions of Live steam control valve.2	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal		***MAA10AA330
14	Check	Abnormal conditions of Live steam control valve.3	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal		***MAA10AA340
15	Check	Abnormal conditions of LP injection steam control flap	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal		***MAA10AA350
16	Check	Abnormal conditions of LP injection emergency stop flap	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal		***MAA10AA360
17	Check	Check position of pipe support and spring hanger	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal		

Note :

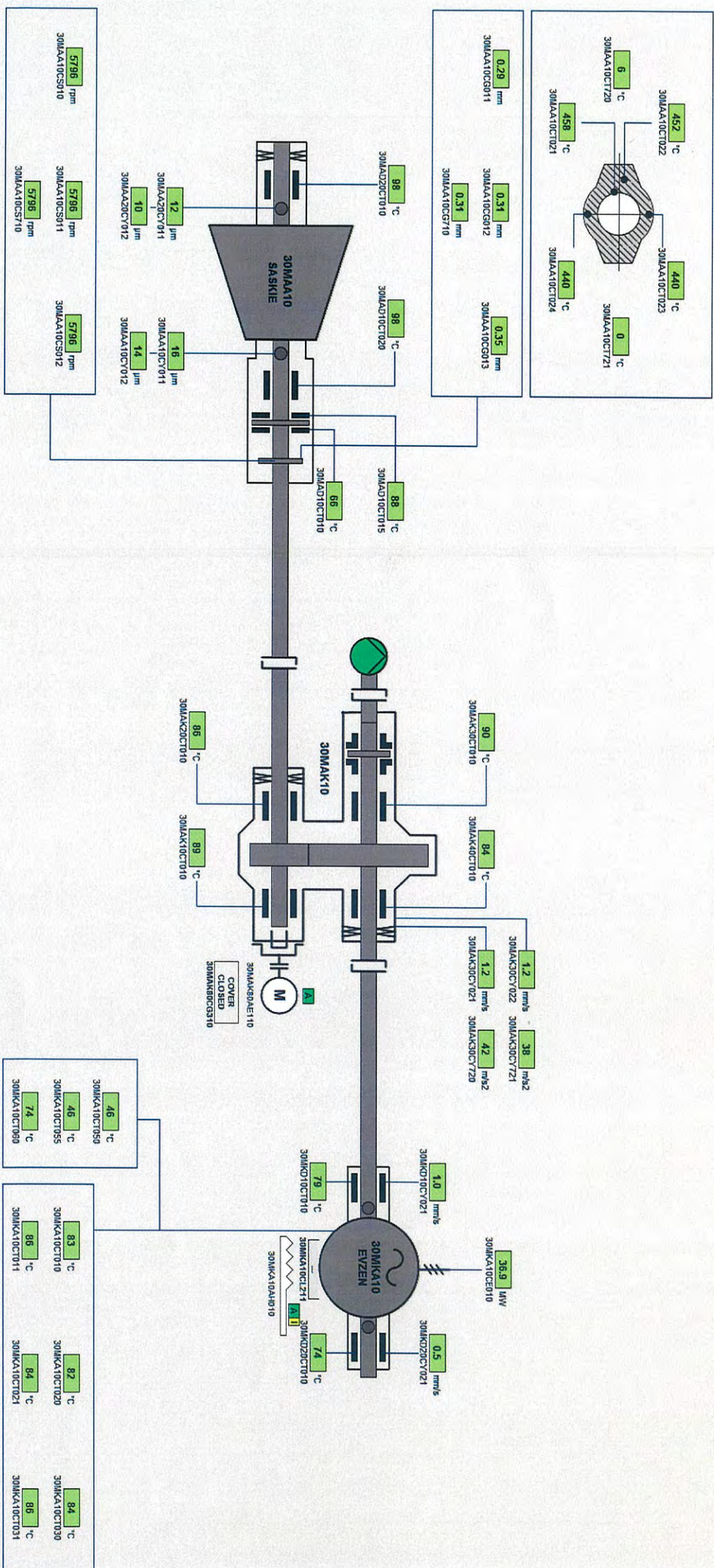
Checked By :

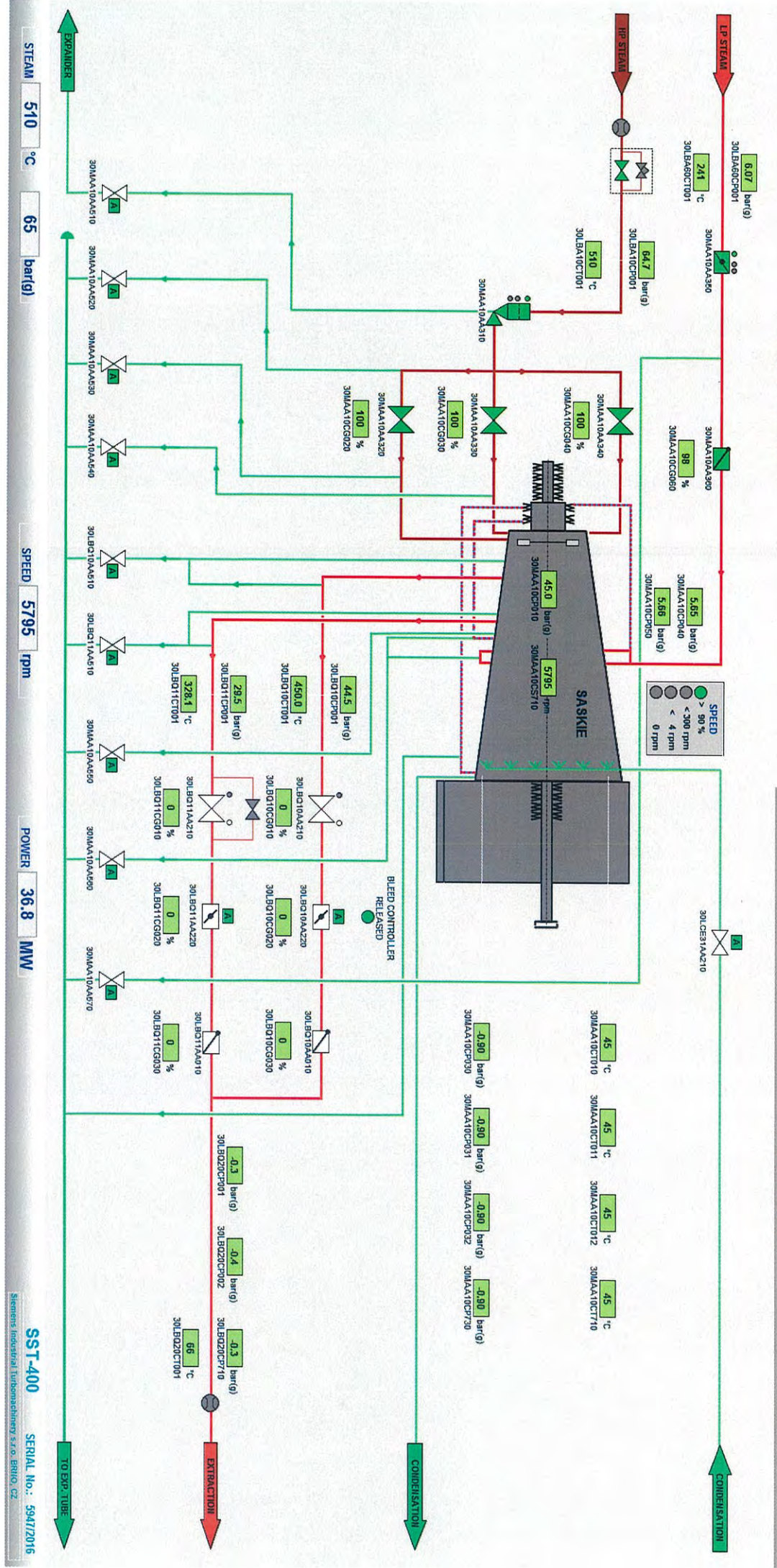
Date:

Approved By :

Date:

MEASUREMENT







Amata B.Grimm Power (Rayong) 3 4

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Steam Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4	Location: BOP Steam turbine#30#40
System : Steam Turbine	Sub-System : Lube Oil System
Plant Unit : <input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 3	<input type="checkbox"/> Amata B.Grimm Power (Rayong) 4
Equipment KKS : <input checked="" type="checkbox"/> 30MAV <input type="checkbox"/> 40MAV	Equipment Name : <input checked="" type="checkbox"/> ST30 Lube Oil System <input type="checkbox"/> ST40 Lube Oil System
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input type="checkbox"/> Unit Standby / Shutdown	PTW Number : <u>GW5543</u> W/O Number : <u>Wk 23/204.0008</u> Date : <u>20-12-23</u>

Item	Action	Job Detail	Limit	Data record	Remark
1	Record	Lube oil tank level and refill if necessary	>-25 - <25 mm.	<u>-5</u> mm	...MAV10CL010
2	Record	Lube oil tank temperature	< 75°C	<u>79</u> °C	...MAV10CT010
3	Record	Lube oil pressure average	< 1 barg	<u>2.51-2.52</u> barg.	...MAV40CP010/011/012/710
4	Record	Lube oil temperature after cooler average	> 65 °C	<u>55</u> °C	...MAV40CT010/011/012/710
5	Record	Lube oil filter differential pressure	> 1.2 barg	<u>0.88</u> barg.	...MAV35CP010
6	Check	Any oil leakage	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Found leaked		

Note :

Oil mist separator = - 50 mbar.

Checked By :

Chit.

Date:

20-12-23

Approved By :

Elh

Date:

20-12-23

CONTROL OIL





Amata B.Grimm Power (Rayong) 3 4

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Steam Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4		Location: BOP Steam turbine#30#40	
System : Sealing Steam System		Sub-System : Gland Steam Condenser	
Plant Unit : <input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 3		<input type="checkbox"/> Amata B.Grimm Power (Rayong) 4	
Equipment KKS : <input checked="" type="checkbox"/> 30MAW30AC001 <input type="checkbox"/> 40MAW30AC001		Equipment Name : <input checked="" type="checkbox"/> ST30 Gland Steam Condenser <input type="checkbox"/> ST40 Gland Steam Condenser	
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input type="checkbox"/> Unit Standby / Shutdown		PTW Number : <u>GW5543</u> W/O Number : <u>Wk23/204.0008</u> Date : <u>20-12-23</u>	

Item	Action	Job Detail	Limit	Data record	Remark
1	Record	Operation steam pressure	> 0.01 - < 0.1 barg	<u>0.030</u> barg.	...MAW30CP010
2	Record	Operation steam temperature	> 180 - < 220 °C	<u>200</u> °C	...MAW30CT010
3	Check	Elastic connecting piece for damage and firm fit	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Damaged		
4	Check	General external conditional of the device	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal		
5	Check	Contaminations damage and corrosion	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Damaged		
6	Check	Any leak from system	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Leaked		

Note :

Checked By : Ch.

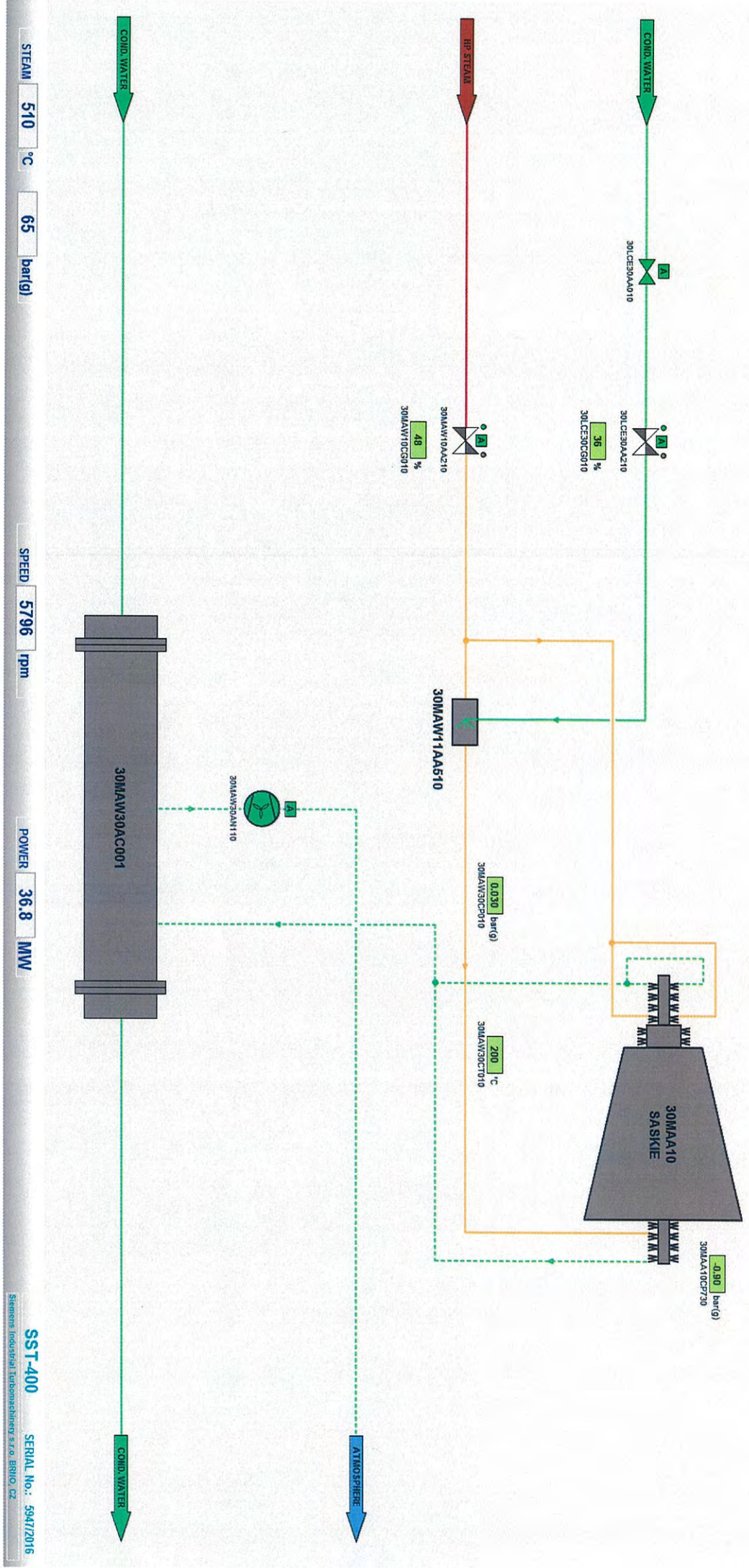
Date: 20-12-23

Approved By : Th

Date: 20-12-23

MAIN STEAM

GLAND STEAM





Amata B.Grimm Power (Rayong) 3 4

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Steam Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4	Location: BOP Steam turbine#30#40
System : HP Control oil system	Sub-System : HP Control Oil Unit
Plant Unit : <input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 3	<input type="checkbox"/> Amata B.Grimm Power (Rayong) 4
Equipment KKS : <input checked="" type="checkbox"/> 30MAX10 <input type="checkbox"/> 40MAX10	Equipment Name : <input checked="" type="checkbox"/> ST30 HP Control Oil Unit <input type="checkbox"/> ST40 HP Control Oil Unit
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input type="checkbox"/> Unit Standby / Shutdown	PTW Number : <u>GW5543</u> W/O Number : <u>WR23/204.0008</u> Date : <u>20-12-23</u>

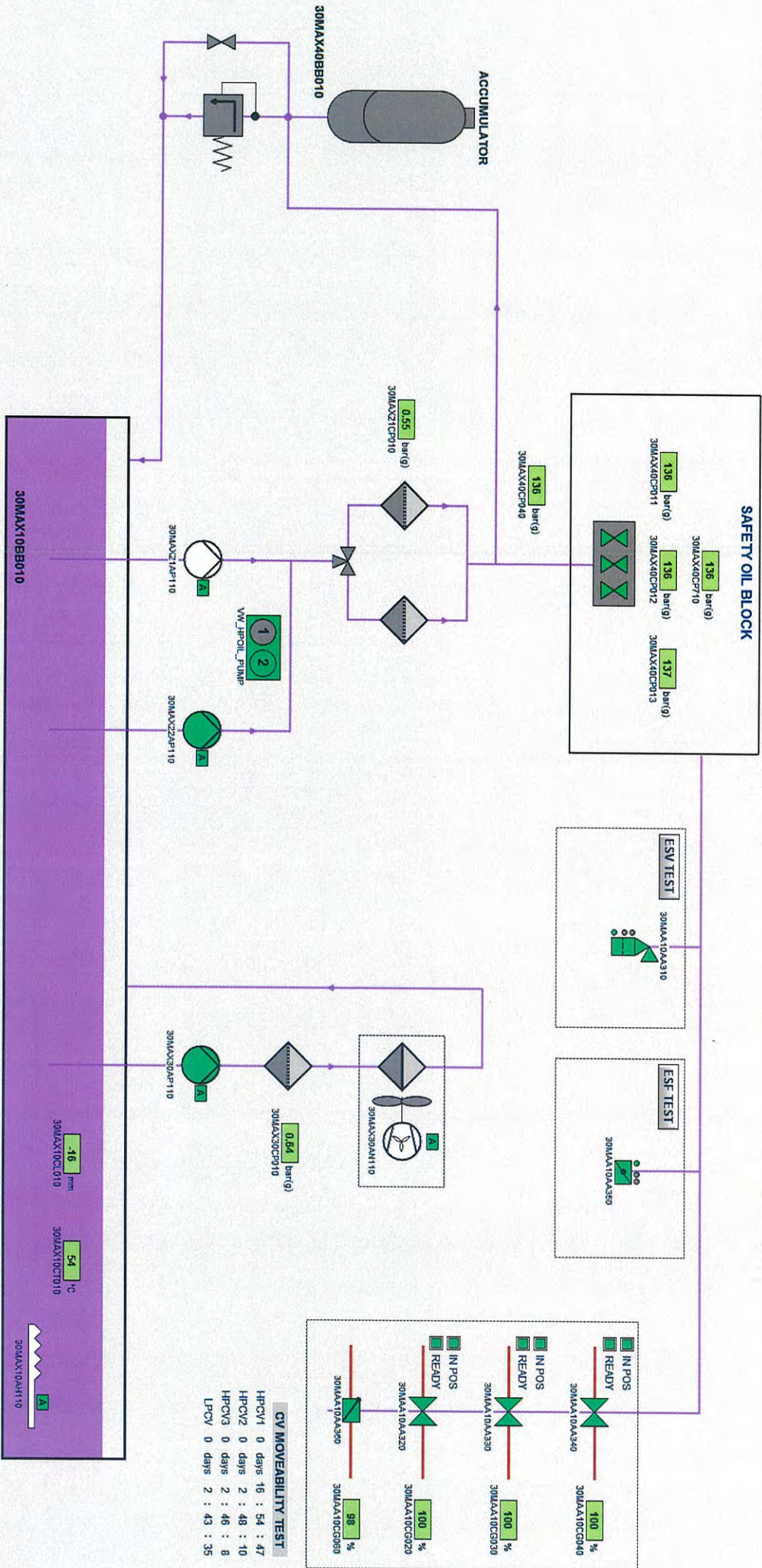
Item	Action	Job Detail	Limit	Data record	Remark
1	Record	Lube oil tank level	> - 47 - < 38 mm.	<u>-16</u> mm	...MAX10CL010
2	Record	Lube oil tank temperature	< 60 °C	<u>54</u> °C	...MAX10CT010
3	Check	Defect, oil leak, abnormal noise for HP oil pump 1	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Damaged		<u>Normal.</u>
4	Check	Defect, oil leak, abnormal noise for HP oil pump 2	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Damaged		
5	Check	Contamination level of the filters	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Clogged		
6	Record	Differential pressure of main oil filter	> 5 barg.	<u>0.55</u> barg.	...MAX21CP010
7	Record	Differential pressure of recirculating oil filter	> 2.2 barg.	<u>0.64</u> barg.	...MAX30CP010
9	Check	Any oil leak	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Leaked		
10	Cleaning	Oil cooler by service air	<input checked="" type="checkbox"/> Clean up		
11	Cleaning	Area work place if required	<input checked="" type="checkbox"/> Clean up		

Note : Working temperature not to exceed 60 °C

Checked By : Chit.Date: 20-12-23Approved By : FlwDate: 20-12-23

LUBE OIL

CONTROL OIL





Amata B.Grimm Power (Rayong) 3 4

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Steam Turbine Monthly Inspection Check List

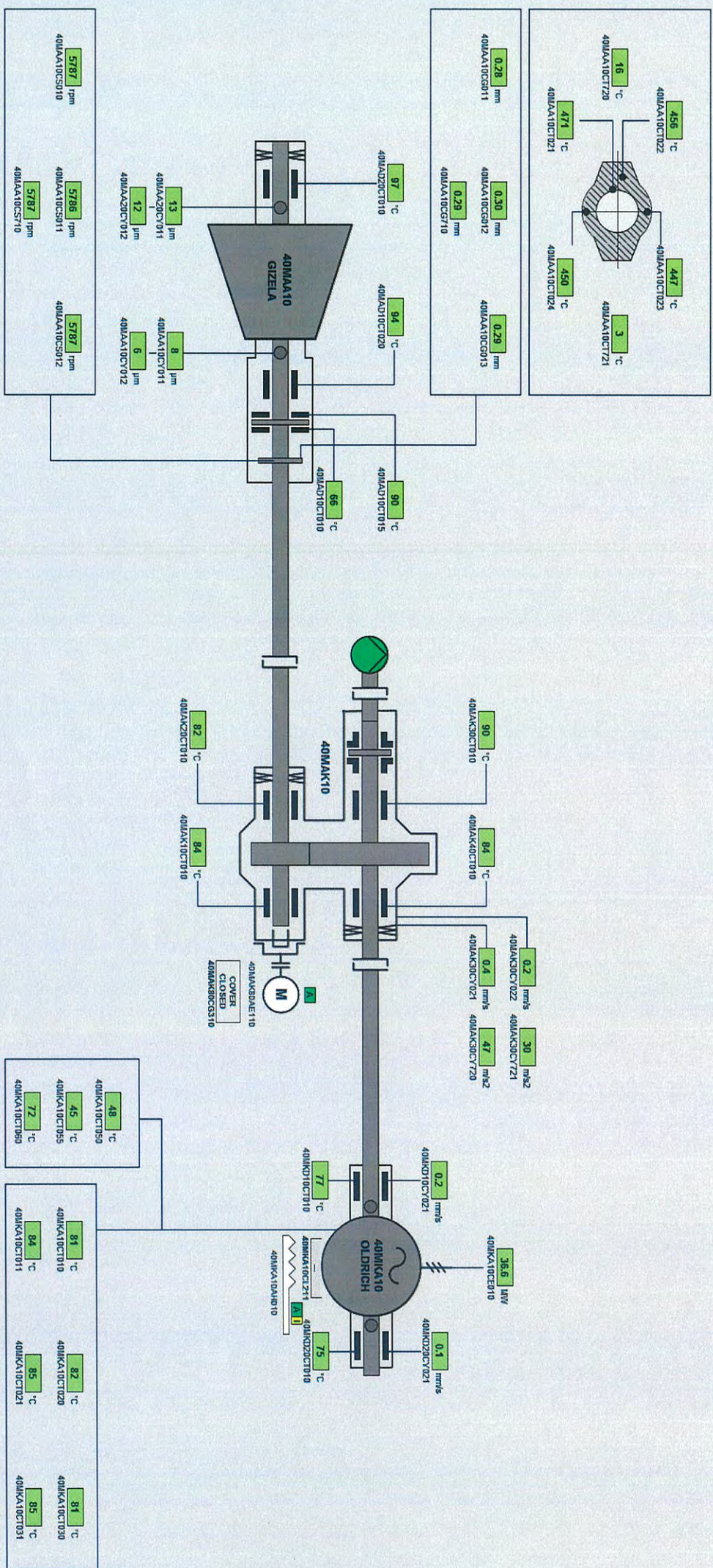
Site : Amata B.Grimm Power (Rayong) 3 4	Location: BOP Steam turbine#30#40
System : Steam Turbine	Sub-System : Steam turbine Module
Plant Unit : <input type="checkbox"/> Amata B.Grimm Power (Rayong) 3	<input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 4
Equipment KKS : <input type="checkbox"/> 30MAA <input checked="" type="checkbox"/> 40MAA	Equipment Name : <input type="checkbox"/> ST30 Module <input checked="" type="checkbox"/> ST40 Module
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input type="checkbox"/> Unit Standby / Shutdown	PTW Number : <u>GW5644</u> W/O Number : <u>WR 23/204.0067</u> Date : <u>20-12-23</u>

Item	Action	Job Detail	Limit	Data record	Remark
1	Check	Check general conditions around ST module	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal		
2	Check	Check ST insulation abnormal	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal		
3	Check	Check any steam leak out from flange connecting	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Found leaked		
4	Record	Steam Turbine Bearing.1 Vibration	> 118 μ m.	8.6 μ m.	***MAA10CY011/012
5	Record	Steam Turbine Bearing.1 Temperature	> 120°C	66,90,94 °C	***MAD10CT010/015/020
6	Record	Steam Turbine Bearing.2 Vibration	> 118 μ m.	13,12 μ m.	***MAA20CY011/012
7	Record	Steam Turbine Bearing.2 Temperature	> 120°C	97 °C	***MAD20CT010
8	Record	Steam Turbine Impulse Chamber Pressure		46.2 barg.	***MAA10CP010
9	Record	Steam pressure bleeb.1 (downsteam the reaction stage)		46 barg.	***LBQ10CP001
10	Record	Steam pressure bleeb.2 (downsteam the control stage)		30.1 barg.	***LBQ11CP001
11	Check	Abnormal conditions of Emergency stop valve	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal		***MAA10AA310
12	Check	Abnormal conditions of Live steam control valve.1	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal		***MAA10AA320
13	Check	Abnormal conditions of Live steam control valve.2	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal		***MAA10AA330
14	Check	Abnormal conditions of Live steam control valve.3	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal		***MAA10AA340
15	Check	Abnormal conditions of LP injection steam control flap	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal		***MAA10AA350
16	Check	Abnormal conditions of LP injection emergency stop flap	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal		***MAA10AA360
17	Check	Check position of pipe support and spring hanger	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal		

Note :

Checked By : Chit.Date: 20-12-23Approved By : FhDate: 20-12-23

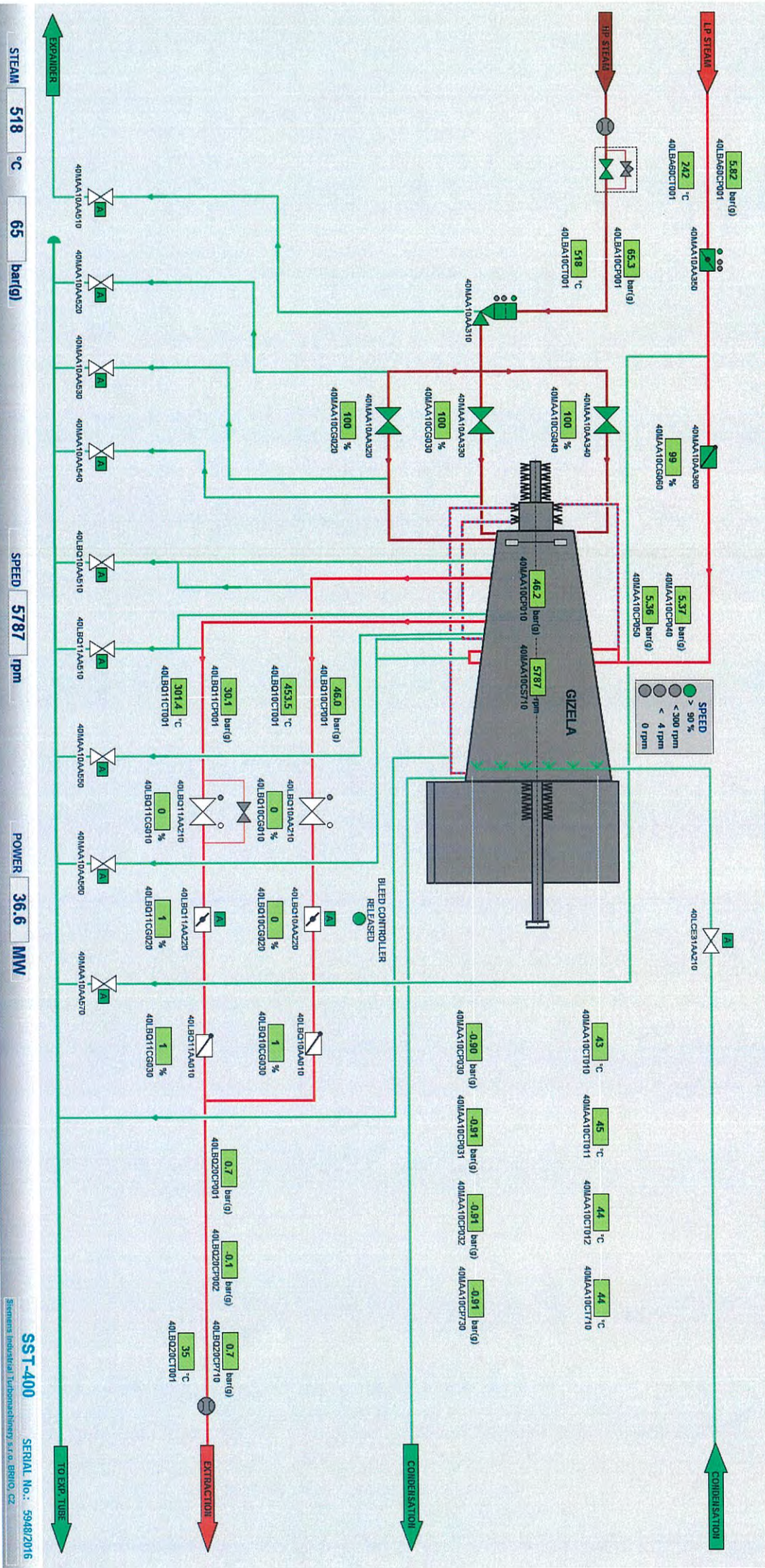
MEASUREMENT



STEAM	518	°C	65	bar(g)	SPEED	5787	rpm	POWER	36.6	MW	SS1-400	SERIAL No.: 59482016
Siemens Industrial Turbomachinery s.r.o. BRNO, CZ												

MAIN STEAM

GLAND STEAM





Amata B.Grimm Power (Rayong) 3 4

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Steam Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4		Location: BOP Steam turbine#30#40	
System : Steam Turbine		Sub-System : Lube Oil System	
Plant Unit : <input type="checkbox"/> Amata B.Grimm Power (Rayong) 3		<input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 4	
Equipment KKS : <input type="checkbox"/> 30MAV <input checked="" type="checkbox"/> 40MAV		Equipment Name : <input type="checkbox"/> ST30 Lube Oil System <input checked="" type="checkbox"/> ST40 Lube Oil System	
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input type="checkbox"/> Unit Standby / Shutdown		PTW Number : <u>GN5544</u> W/O Number : <u>Wk 231204.0067</u> Date : <u>10.12.23</u>	

Item	Action	Job Detail	Limit	Data record	Remark
1	Record	Lube oil tank level and refill if necessary	>-25 - <25 mm.	<u>-6</u> mm	...MAV10CL010
2	Record	Lube oil tank temperature	< 75°C	<u>75</u> °C	...MAV10CT010
3	Record	Lube oil pressure average	< 1 barg	<u>2.47-2.99</u> barg.	...MAV40CP010/011/012/710
4	Record	Lube oil temperature after cooler average	> 65 °C	<u>51-52</u> °C	...MAV40CT010/011/012/710
5	Record	Lube oil filter differential pressure	> 1.2 barg	<u>0.22</u> barg.	...MAV35CP010
6	Check	Any oil leakage	<input type="checkbox"/> Normal <input type="checkbox"/> Found leaked		

Note :

Oil mist separator = -55 mbar.

Checked By :

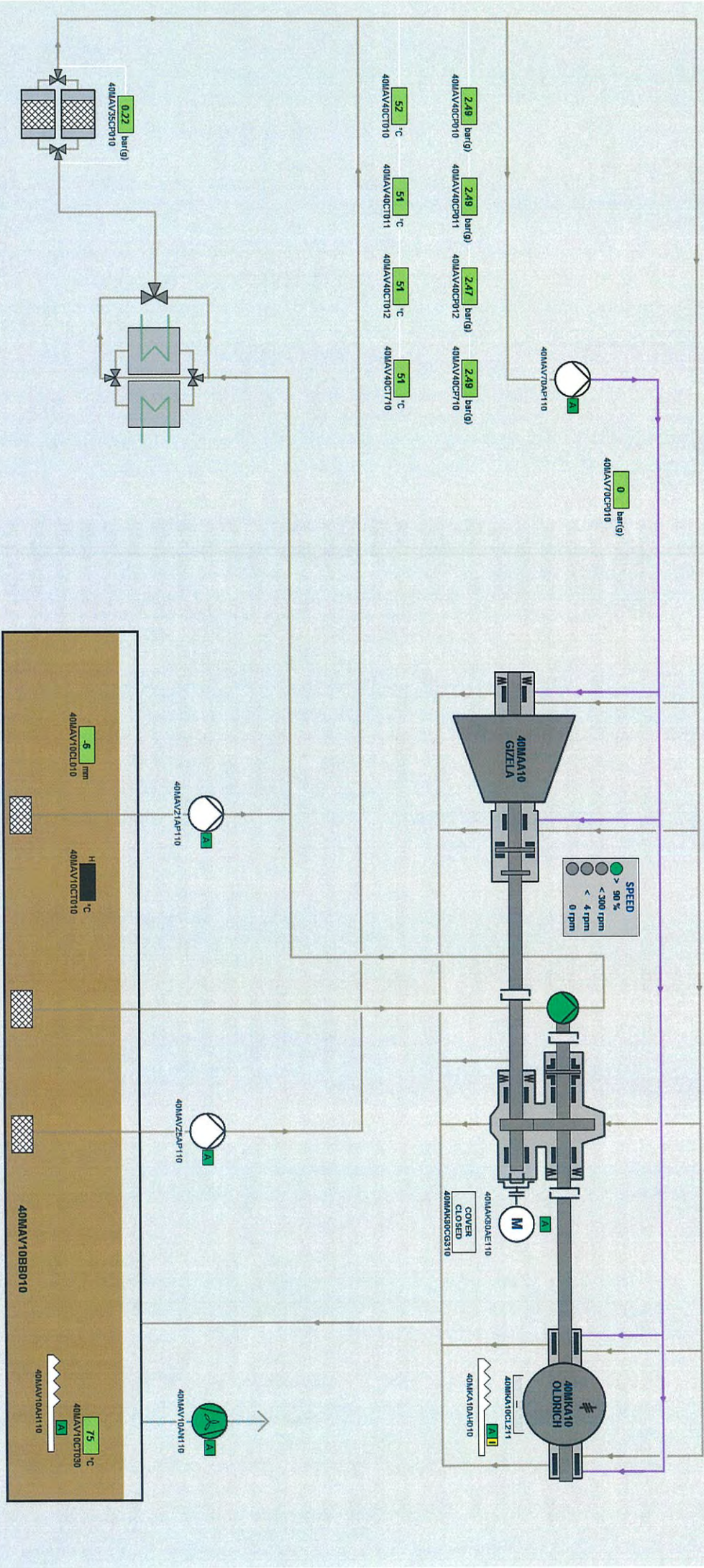
Date:

Approved By :

Date:

LUBE OIL

CONTROL OIL





Amata B.Grimm Power (Rayong) 3 4

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Steam Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4		Location: BOP Steam turbine#30#40	
System : Sealing Steam System		Sub-System : Gland Steam Condenser	
Plant Unit : <input type="checkbox"/> Amata B.Grimm Power (Rayong) 3		<input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 4	
Equipment KKS : <input type="checkbox"/> 30MAW30AC001 <input checked="" type="checkbox"/> 40MAW30AC001		Equipment Name : <input type="checkbox"/> ST30 Gland Steam Condenser <input checked="" type="checkbox"/> ST40 Gland Steam Condenser	
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input type="checkbox"/> Unit Standby / Shutdown		PTW Number : <u>GN5544</u> W/O Number : <u>Wk23201.0067</u> Date : <u>20-12-23</u>	

Item	Action	Job Detail	Limit	Data record	Remark
1	Record	Operation steam pressure	> 0.01 - < 0.1 barg	<u>0.031</u> barg.	...MAW30CP010
2	Record	Operation steam temperature	> 180 - < 220 °C	<u>200</u> °C	...MAW30CT010
3	Check	Elastic connecting piece for damage and firm fit	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Damaged	
4	Check	General external conditional of the device	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal	
5	Check	Contaminations damage and corrosion	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Damaged	
6	Check	Any leak from system	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Leaked	

Note :

Checked By :

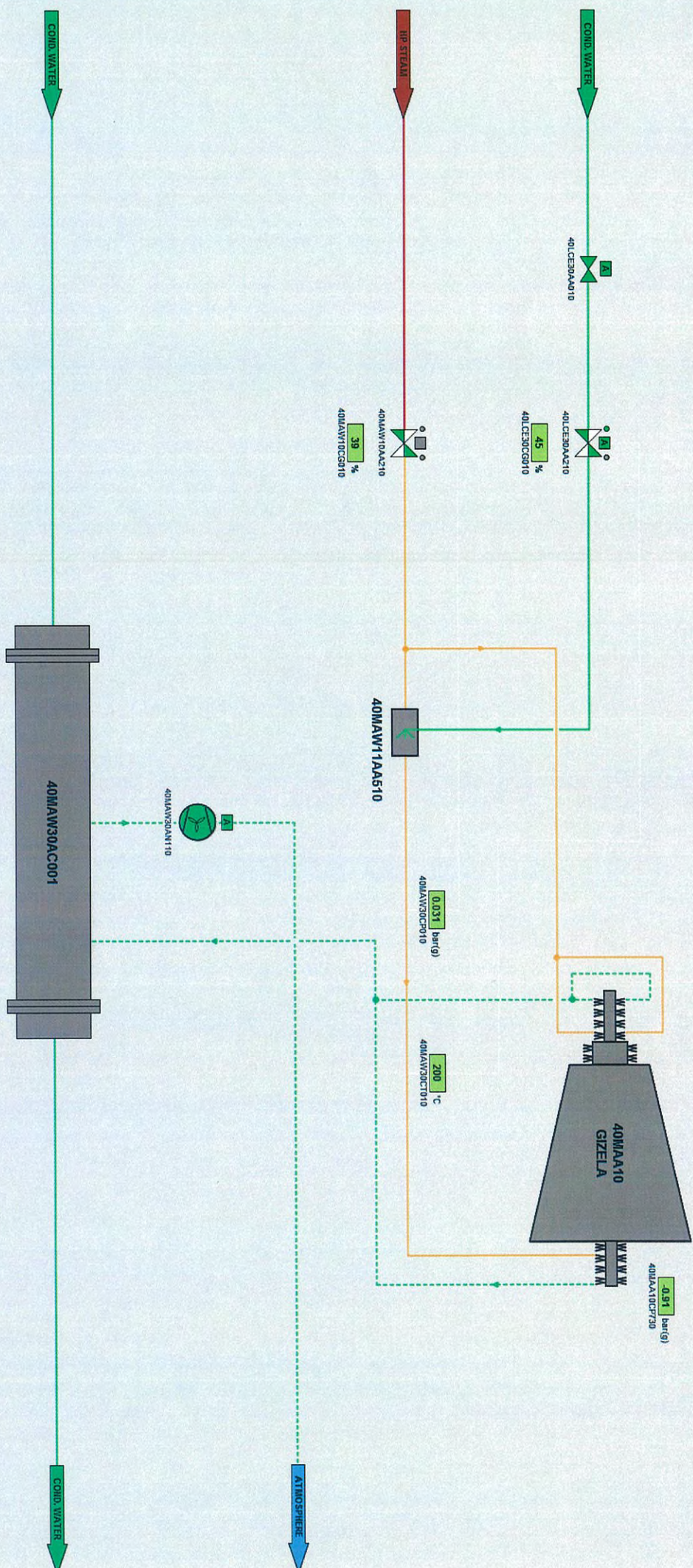
Date:

Approved By :

Date:

MAIN STEAM

GLAND STEAM



STEAM	518	°C	65	bar(g)
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SPEED 5787 rpm

POWER 36.6 MW

SST-400 SERIAL No.: 5948/2016

Siemens Industrial Turbomachinery s.r.o. BRNO, CZ



Amata B.Grimm Power (Rayong) 3 4

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Steam Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4		Location: BOP Steam turbine#30#40	
System : HP Control oil system		Sub-System : HP Control Oil Unit	
Plant Unit : <input type="checkbox"/> Amata B.Grimm Power (Rayong) 3		<input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 4	
Equipment KKS : <input type="checkbox"/> 30MAX10 <input checked="" type="checkbox"/> 40MAX10		Equipment Name : <input type="checkbox"/> ST30 HP Control Oil Unit <input checked="" type="checkbox"/> ST40 HP Control Oil Unit	
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input type="checkbox"/> Unit Standby / Shutdown		PTW Number : <u>GW5544</u> W/O Number : <u>NK231204.0067</u> Date : <u>20-12-23</u>	

Item	Action	Job Detail	Limit	Data record	Remark
1	Record	Lube oil tank level	> - 47 - < 38 mm.	<u>4</u> mm	...MAX10CL010
2	Record	Lube oil tank temperature	< 60 °C	<u>54</u> °C	...MAX10CT010
3	Check	Defect, oil leak, abnormal noise for HP oil pump 1	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Damaged		<u>No ron.</u>
4	Check	Defect, oil leak, abnormal noise for HP oil pump 2	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Damaged		
5	Check	Contamination level of the filters	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Clogged		
6	Record	Differential pressure of main oil filter	> 5 barg.	<u>0.51</u> barg.	...MAX21CP010
7	Record	Differential pressure of recirculating oil filter	> 2.2 barg.	<u>0.55</u> barg.	...MAX30CP010
9	Check	Any oil leak	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Leaked		
10	Cleaning	Oil cooler by service air	<input checked="" type="checkbox"/> Clean up		
11	Cleaning	Area work place if required	<input checked="" type="checkbox"/> Clean up		

Note : Working temperature not to exceed 60 °C

Checked By : Cht.
Date: 20-12-23

Approved By : Elw
Date: 20-12-23



Amata B.Grimm Power (Rayong) 3 4

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Gas Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4		Location: Gas Turbine	
System : Gas Turbine		Sub-System : Gas Turbine Module	
Plant Unit : <input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 3		<input type="checkbox"/> Amata B.Grimm Power (Rayong) 4	
Equipment KKS : <input checked="" type="checkbox"/> 31MBA <input type="checkbox"/> 32MBA <input type="checkbox"/> 41MBA <input type="checkbox"/> 42MBA		Equipment Name : <input checked="" type="checkbox"/> GT31 Module <input type="checkbox"/> GT32 Module <input type="checkbox"/> GT41 Module <input type="checkbox"/> GT42 Module	
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input checked="" type="checkbox"/> Unit Barring speed		PTW Number : <u>GN 5506</u> W/O Number : <u>NK231204.0003</u> Date : <u>17-12-23</u>	

Item	Action	Job Detail	Limit	Data record	Remark
1	Visual check	General conditions around GT module	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal		
2	Visual check	GT insulation abnormal	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Heated defect		
3	Record	Gas Turbine Journal Bearing.1 Vibration	< 7.0 mm/s	<u>2.1</u> mm/s	**MBA10CY800
4	Record	Gas Turbine Journal Bearing.1 Temperature	< 100 °C	<u>74, 74</u> °C	**MBA10CT005/010
5	Record	Gas Turbine Thrust Bearing.1 Vibration		<u>-0.04</u> mm/s	**MBA10CG800
6	Record	Gas Turbine Thrust Bearing.1 Temperature	< 100 °C	<u>71, 71</u> °C	**MBA10CT015/020
7	Record	Gas Turbine Bearing.2 Vibration	< 7.0 mm/s	<u>3.2</u> mm/s	**MBA10CY805
8	Record	Gas Turbine Bearing.2 Temperature	< 100 °C	<u>73, 70</u> °C	**MBA10CT090/095
9	Record	Generator Bearing.1 Vibration & Temperature	4.5 mm/s	<u>0.4</u> mm/s < 85 °C	<u>62</u> °C **MKA10CY800/CT005
10	Record	Generator Bearing.2 Vibration & Temperature	4.5 mm/s	<u>0.4</u> mm/s < 85 °C	<u>70</u> °C **MKA10CY805/CT010
9	Check	GT Bleed valve no.1 passing	<input checked="" type="checkbox"/> No passing <input type="checkbox"/> Passing		**MBH10AA005
10	Check	GT Bleed valve no.1 passing	<input checked="" type="checkbox"/> No passing <input type="checkbox"/> Passing		**MBH10AA010

Note :

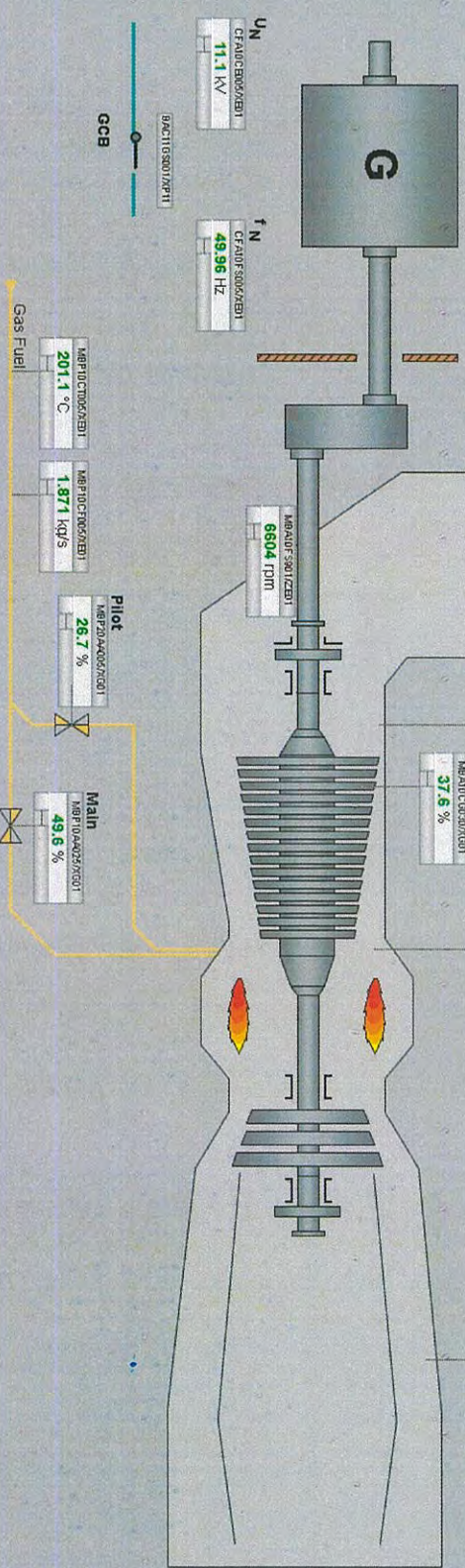
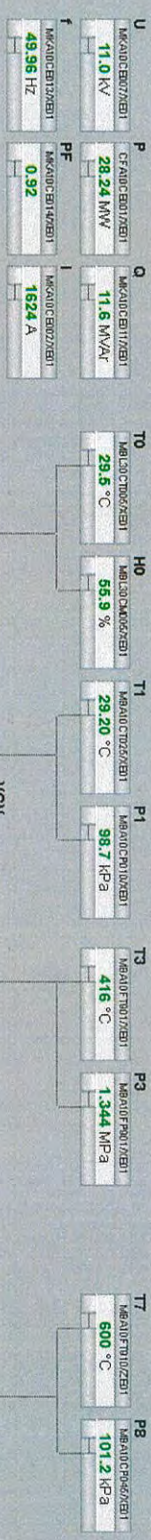
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Date:

Approved By :

Date:

31 01-Unit Operation

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Amata B.Grimm Power (Rayong) 3 4

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Gas Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4		Location: Gas Turbine	
System : Gas Turbine		Sub-System : Air Intake System	
Plant Unit : <input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 3		<input type="checkbox"/> Amata B.Grimm Power (Rayong) 4	
Equipment KKS : <input checked="" type="checkbox"/> 31MBL <input type="checkbox"/> 32MBL <input type="checkbox"/> 41MBL <input type="checkbox"/> 42MBL		Equipment Name : <input checked="" type="checkbox"/> GT31 Air Intake System <input type="checkbox"/> GT32 Air Intake System <input type="checkbox"/> GT41 Air Intake System <input type="checkbox"/> GT42 Air Intake System	
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input checked="" type="checkbox"/> Unit Barring speed		PTW Number : <u>QH 5508</u> W/O Number : <u>NK 83204.000y</u> Date : <u>17-12-23</u>	

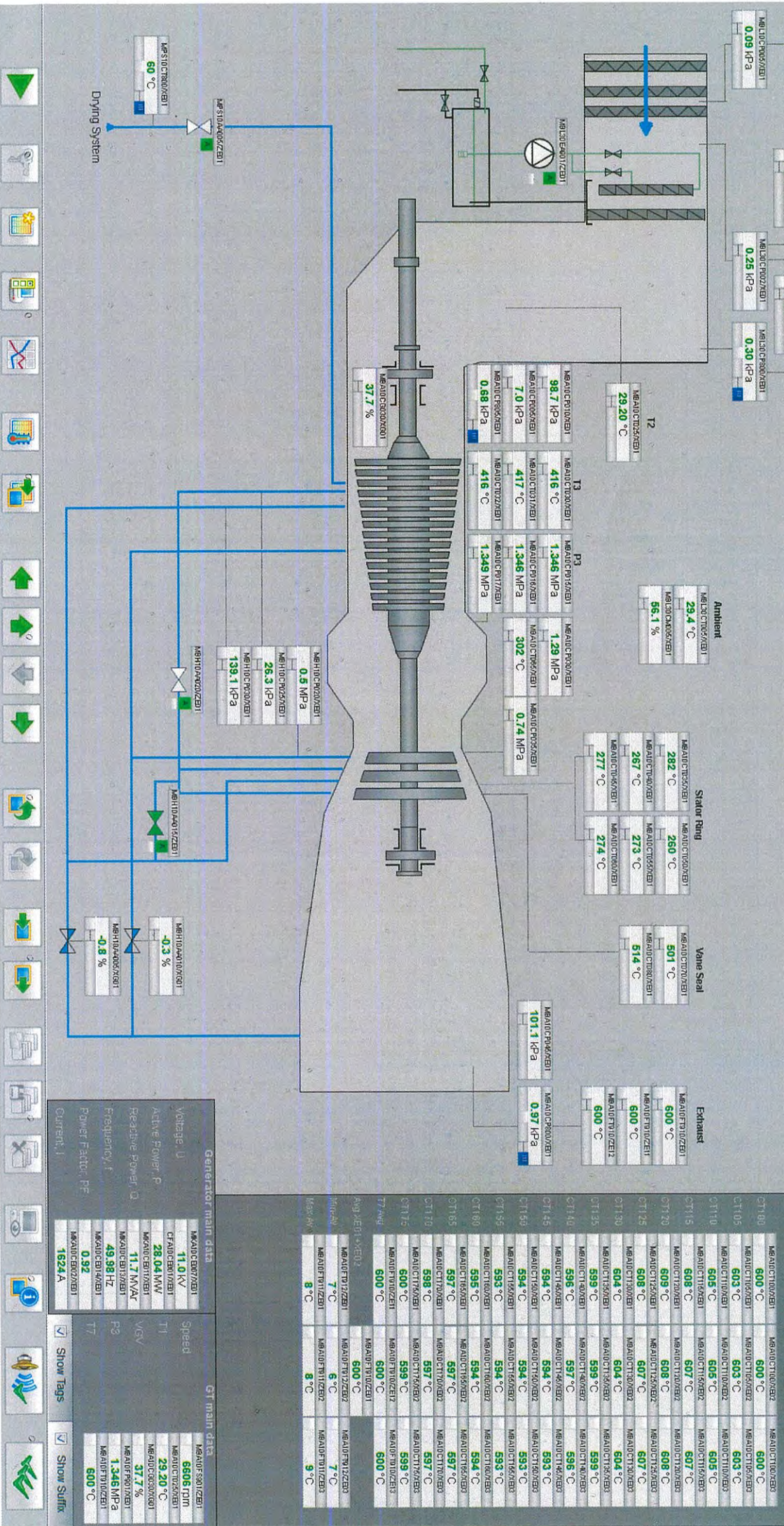
Item	Action	Job Detail	Limit	Data record	Remark
1	Visual Check	Check whether louvers the entry screen is block	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Blocked	
2	Visual Check	Check all visible door sealing	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Damaged	
3	Visual Check	Check all coated surface regard with crack	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Cracked	
4	Record	Diff presssure of Pre-Filter during opt.	< 0.45 kPa	<u>0.09</u> kPa	**MBL10CP005
5	Record	Diff presssure of High Efficiency Filter during opt	< 0.60 kPa	<u>0.15</u> kPa	**MBL30FP925
6	Record	Gas turbine load, MW	<u>28.04</u>	MW	Record during opt
7	Check	Check filter loosen bolt and nuts	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Loosen	
8	Check	Duct bin are drained of condensate	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal	
9	Visual check	Check water leak during Evap pump running	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Leaked	
10	Check	Check Evap pump loosen bolt and nuts	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Loosen	

Note : - Primary air system announce the alarm exchange the Pre-filter at 400 Pa/ High efficiency filter at 550 Pa and Total air intake channal 1200 Pa
- GT inlet air operating temp. range is 10~48.9 °C
- Air flow at 15°C, ISO condition 131 kg/s
During opt: During operating

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Date: 20-12-23

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Date: 20-12-23

31 07-GTAndAirIntake



Generator main data

GT main data



Amata B.Grimm Power (Rayong) 3 4

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Gas Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4		Location: Gas Turbine	
System : Gas Turbine		Sub-System : Fuel Gas System	
Plant Unit : <input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 3		<input type="checkbox"/> Amata B.Grimm Power (Rayong) 4	
Equipment KKS : <input checked="" type="checkbox"/> 31MBP <input type="checkbox"/> 32MBP <input type="checkbox"/> 41MBP <input type="checkbox"/> 42MBP		Equipment Name : <input checked="" type="checkbox"/> GT31 Fuel Gas System <input type="checkbox"/> GT32 Fuel Gas System <input type="checkbox"/> GT41 Fuel Gas System <input type="checkbox"/> GT42 Fuel Gas System	
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input checked="" type="checkbox"/> Unit Barring speed		PTW Number : <u>GN 8506</u> W/O Number : <u>NK 231204.0003</u> Date : <u>17-12-23</u>	

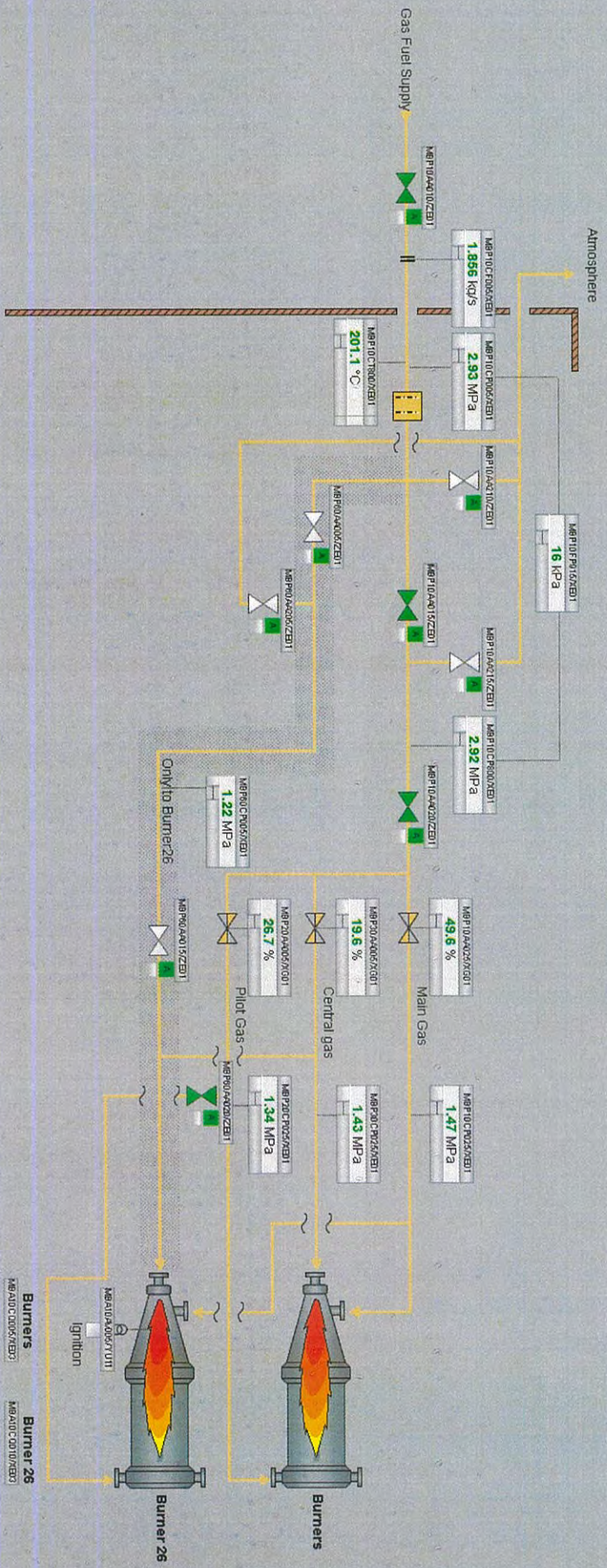
Item	Action	Job Detail	Data record	Remark
1	Visual check	Check for damages	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Damaged	
2	Record	Fuel gas Y-strainer differential pressure	< 70 kPa <u>16</u> kPa	**MBP10FP915

Note : Check gas leakage with gas detector

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Date: 20-12-23

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Date: 20-12-23

31 05-FuelSystem



FG Gas Fuel	MAPI05EAO1(ZEB1)	FG	100%
Pilot Ignition FG	MAPI05EAO1(ZEB1)	FG	100%
Gas Fuel Set	MAPI05EAO1(ZEB1)	FG	100%

Energy Flow	MAPI05EAO1(ZEB1)	82.8 MW
Gas	MAPI05EAO1(ZEB1)	82.8 MW
Total	MAPI05EAO1(ZEB1)	82.8 MW
Purge Time	MAPI05EAO1(ZEB1)	0m 0s

GT main data	MAPI05EAO1(ZEB1)	6504 rpm
Speed	MAPI05EAO1(ZEB1)	29.20 °C
WGV	MAPI05EAO1(ZEB1)	37.6 %
P3	MAPI05EAO1(ZEB1)	1.344 MPa
T7	MAPI05EAO1(ZEB1)	600 °C

Generator main data	MAPI05EAO1(ZEB1)	11.0 kV
Voltage U	MAPI05EAO1(ZEB1)	28.30 MW
Active Power P	MAPI05EAO1(ZEB1)	11.6 MW
Reactive Power Q	MAPI05EAO1(ZEB1)	49.96 Hz
Frequency f	MAPI05EAO1(ZEB1)	0.92
Power Factor PF	MAPI05EAO1(ZEB1)	1532 A
Current I	MAPI05EAO1(ZEB1)	



Amata B.Grimm Power (Rayong) 3 4

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Gas Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4	Location: Gas Turbine
System : Gas Turbine	Sub-System : Gear and Starting System
Plant Unit : <input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 3	<input type="checkbox"/> Amata B.Grimm Power (Rayong) 4
Equipment KKS : <input checked="" type="checkbox"/> 31MBK <input type="checkbox"/> 32MBK <input type="checkbox"/> 41MBK <input type="checkbox"/> 42MBK	Equipment Name : <input checked="" type="checkbox"/> GT31 Gear and Starting System <input type="checkbox"/> GT32 Gear and Starting System <input type="checkbox"/> GT41 Gear and Starting System <input type="checkbox"/> GT42 Gear and Starting System
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input checked="" type="checkbox"/> Unit Barring speed	PTW Number : <u>QH 5506</u> W/O Number : <u>NK231204.0003</u> Date : <u>17-12-23</u>

Item	Action	Job Detail	Data record	Data record	Remark
1	Visual check	Conditions around gearbox / backup barring motor	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal	
2	Visual check	Any oil leakage	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Leaked	
3	Check	Loosen of bolt or nut	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Loosen	
4	Record	Vibration values for gear box	< 4.5 mm/s	0.4 mm/s	**MBK10CY030
5	Record	Vibration values for gear box	< 4.5 mm/s	1.1 mm/s	**MBK10CY800
6	Record	Temperature values for bearing	< 100°C	63 °C 65 °C 72 °C 83 °C	MBK10CT005/010/025/030

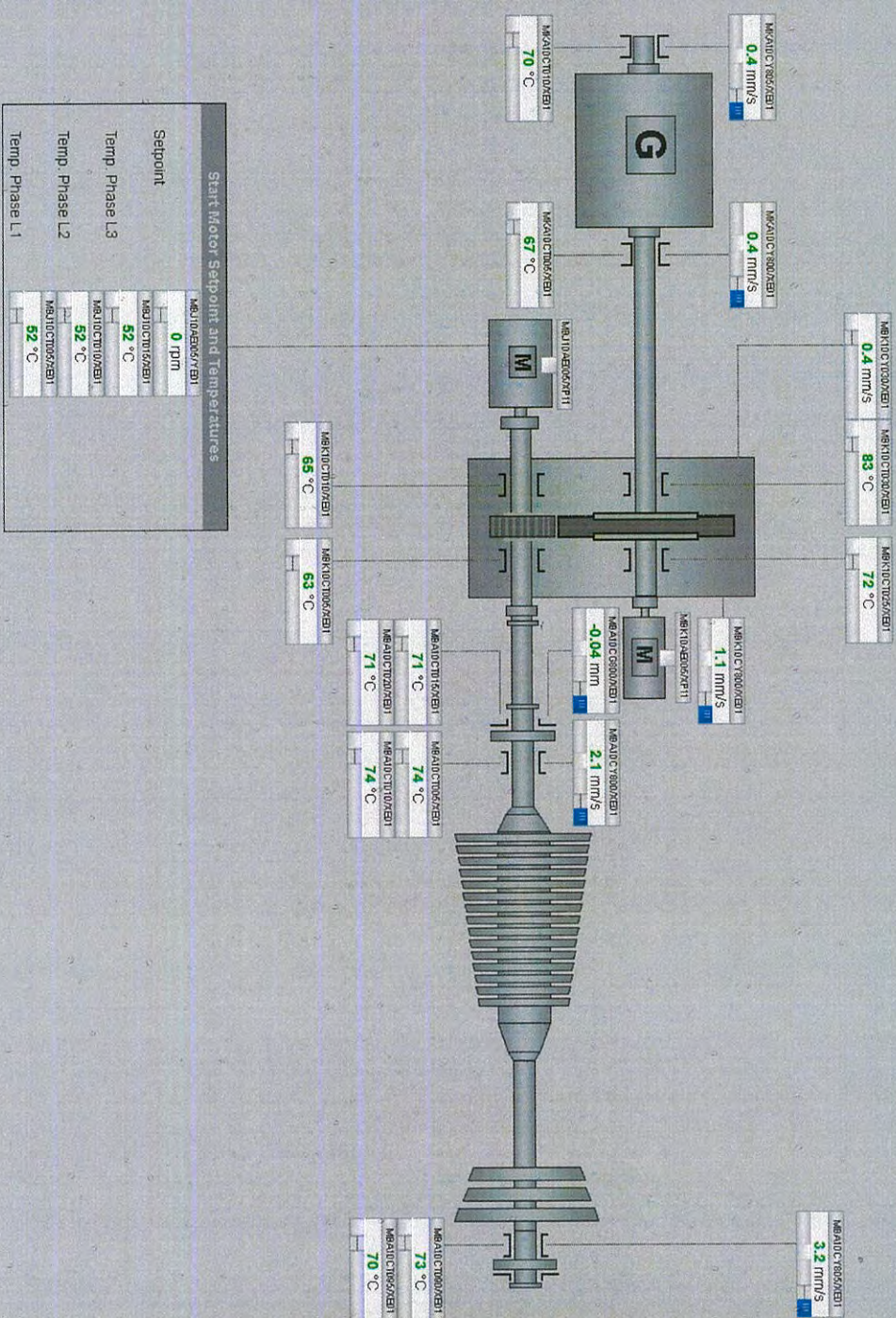
Note :

- Initial vibration value (reference value on starting up)
- Initial temperature value (reference value on starting up)
- Checking bearing every year if shaft vibrations and or bearing/thrust bearing tempearture rise from nominal values up to 25%
- Lube oil inlet pressure nominal 1.5 bar (alarm low 1.3 bar/ trip 0.8 bar)

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Date: 20-12-23

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Date: 20-12-23

31 08-Bearings



HIO Supply Press	M8V4C0106XZB1
	254 kPa
LCO Supply Temp	M8V4C0106XZB1
	49.6 °C
Reset Fault Mdu	M8U4B006XZE10

GT main data	
MA10F5001ZED1	
Speed	6509 rpm
MA101076Z/ED1	
T1	29.20 °C
MA101076Z/ED1	
VSV	37.8 %
MA101076Z/ED1	
P3	1.347 MPa
MA101076Z/ED1	
T7	500 °C

Generator main data	
Machine/Gen	11.0 kV /
Machine/Gen	28.32 MW /
Machine/Gen	11.7 MVA /
Machine/Gen	50.00 Hz /
Machine/Gen	0.92 /
Machine/Gen	1625A /



Amata B.Grimm Power (Rayong) 3 4

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Gas Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4	Location: Gas Turbine
System : Gas Turbine	Sub-System : Lube Oil System
Plant Unit : <input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 3	<input type="checkbox"/> Amata B.Grimm Power (Rayong) 4
Equipment KKS : <input checked="" type="checkbox"/> 31MBV <input type="checkbox"/> 32MBV <input type="checkbox"/> 41MBV <input type="checkbox"/> 42MBV	Equipment Name : <input checked="" type="checkbox"/> GT31 Lube Oil System <input type="checkbox"/> GT32 Lube Oil System <input type="checkbox"/> GT41 Lube Oil System <input type="checkbox"/> GT42 Lube Oil System
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input checked="" type="checkbox"/> Unit barring speed	PTW Number : <u>GN 5508</u> W/O Number : <u>WK 231204.0003</u> Date : <u>17-12-23</u>

Item	Action	Job Detail	Limit	Data record	Remark
1	Record	Lube oil tank level	610-680 mm	<u>636</u> mm	**MBV10CL010
2	Record	Lube oil tank temperature	< 100 °C	<u>68</u> °C	**MBV10CT010
3	Record	Lube oil pressure	> 140 kPa	<u>253</u> kPa	**MBV40CP800
4	Record	Lube oil temperature	45 - 50 °C	<u>49.6</u> °C	**MBV40CT800
5	Visual check	Lube oil leak	<input type="checkbox"/> Normal	<input checked="" type="checkbox"/> Leak	<u>Leak point</u>
6	Record	Negative pressure in the oil tank		<u>-3.8</u> kPa	**MBV10CP800
7	Record	Diff pressure of lube oil filter	< 110 kPa	<u>64</u> kPa	**MBV40CP010
8	Record	Diff pressure of lube oil mist filter	-	<u>0.7</u> kPa	**MBV10CP010
9	Visual check	Conditions around oil mist step.2 on roof	<input type="checkbox"/> Normal	<input checked="" type="checkbox"/> Found Oil spill	

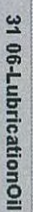
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Amata B.Grimm Power (Rayong) 3 4

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Gas Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4		Location: Gas Turbine	
System : Gas Turbine		Sub-System : Ventilation System	
Plant Unit : <input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 3		<input type="checkbox"/> Amata B.Grimm Power (Rayong) 4	
Equipment KKS : <input checked="" type="checkbox"/> 31MBV <input type="checkbox"/> 32MBV <input type="checkbox"/> 41MBV <input type="checkbox"/> 42MBV		Equipment Name : <input checked="" type="checkbox"/> GT31 Ventilation System <input type="checkbox"/> GT32 Ventilation System <input type="checkbox"/> GT41 Ventilation System <input type="checkbox"/> GT42 Ventilation System	
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input checked="" type="checkbox"/> Unit barring speed		PTW Number : <u>QH 5506</u> W/O Number : <u>NK 23/2040003</u> Date : <u>17-12-23</u>	

Item	Action	Job Detail	Limit	Data record	Remark
1	Visual Check	Check whether louvers dirty	<input type="checkbox"/> Clean	<input checked="" type="checkbox"/> Dirt	
2	Visual Check	Check ventilation filter conditions	<input type="checkbox"/> Clean	<input checked="" type="checkbox"/> Dirt	
3	Visual Check	Check all visible door sealing	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Damaged	
4	Record	Record differential perssure GT enclosure	> 0.25 kPa	<u>0.20</u> kPa	**SAG10CP005
5	Check	Check filter loosen bolt and nuts	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Loosen	
6	Cleaninig	Cleaning inside ventilation room	<input checked="" type="checkbox"/> Clean up		

Note :

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Date:

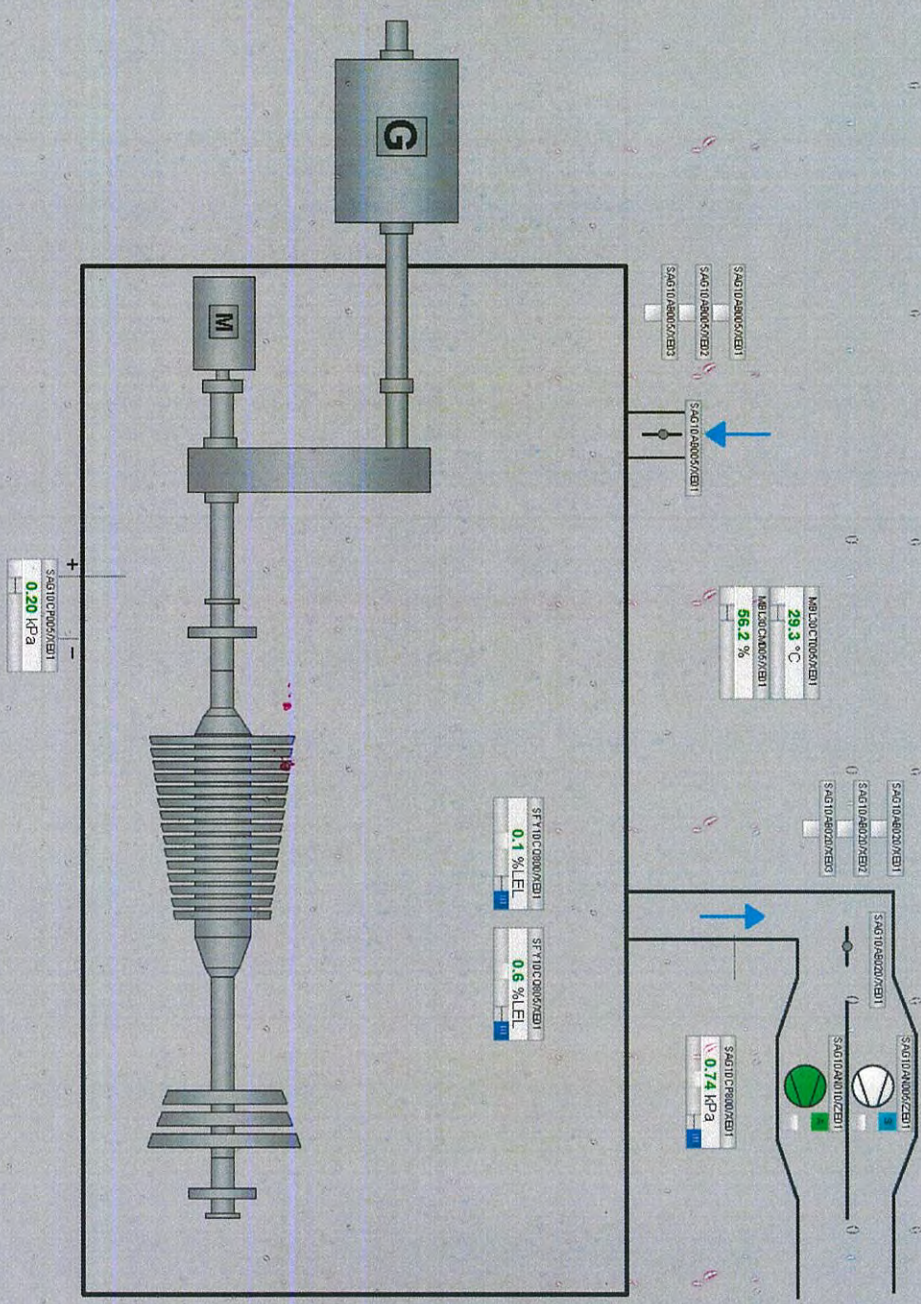
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31 09-Ventilation

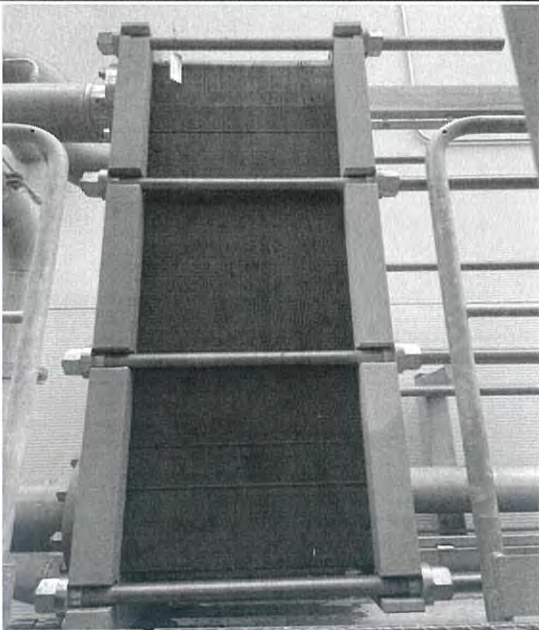


Ventilation system	
ST Room Vent	S4Q10A0005/BE1
FG	
Warning	
Trip	S4Q10A0005/BE1
Equipment Fail	S4Q10A0005/BE1
CO2 Detected	S4Q10A0005/BE1
CO2 Released	S4Q10A0005/BE1
Fire system	
S4Q10A0005/BE1	
GT main data	
Speed	M4A00C0005/BE1
T1	6610 RPM
VCV	29.20 °C
P3	37.8 %
T7	M4A00C0005/BE1
Generator main data	
Voltage, U	11.0 kV
Active Power, P	28.35 MW
Reactive Power, Q	11.7 MVar
Frequency, f	50.00 Hz
Power Factor, PF	0.92
Current, I	1644 A

Gas Turbine Lube oil Plate Heat Exchanger Inspection

Site : Amata B.Grimm Power (Rayong) 3 4		Location: Gas Turbine	
System : Gas Turbine		Sub-System : Lube oil System	
Plant Unit : <input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 3		<input type="checkbox"/> Amata B.Grimm Power (Rayong) 4	
Equipment KKS : <input checked="" type="checkbox"/> 31MBV30AC005 <input type="checkbox"/> 32MBV30AC005 <input type="checkbox"/> 41MBV30AC005 <input type="checkbox"/> 42MBV30AC005		Equipment Name : <input checked="" type="checkbox"/> GT31 Plate Heat Exchanger <input type="checkbox"/> GT32 Plate Heat Exchanger <input type="checkbox"/> GT41 Plate Heat Exchanger <input type="checkbox"/> GT42 Plate Heat Exchanger	

Front view



Rear view



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Date: 20-12-23

Approved By : [Signature]

Date: 20-12-23



Amata B.Grimm Power (Rayong) 3 4

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Gas Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4		Location: Gas Turbine	
System : Gas Turbine		Sub-System : Gas Turbine Module	
Plant Unit : <input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 3		<input type="checkbox"/> Amata B.Grimm Power (Rayong) 4	
Equipment KKS : <input type="checkbox"/> 31MBA <input checked="" type="checkbox"/> 32MBA <input type="checkbox"/> 41MBA <input type="checkbox"/> 42MBA		Equipment Name : <input type="checkbox"/> GT31 Module <input checked="" type="checkbox"/> GT32 Module <input type="checkbox"/> GT41 Module <input type="checkbox"/> GT42 Module	
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input checked="" type="checkbox"/> Unit Barring speed		PTW Number : <u>GN 5706</u> W/O Number : <u>NK 231704.0003</u> Date : <u>10-12-23</u>	

Item	Action	Job Detail	Limit	Data record	Remark
1	Visual check	General conditions around GT module	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal		
2	Visual check	GT insulation abnormal	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Heated defect		
3	Record	Gas Turbine Journal Bearing.1 Vibration	< 7.0 mm/s	<u>4.1</u> mm/s	**MBA10CY800
4	Record	Gas Turbine Journal Bearing.1 Temperature	< 100 °C	<u>74.77</u> °C	**MBA10CT005/010
5	Record	Gas Turbine Thrust Bearing.1 Vibration		<u>-0.02</u> mm/s	**MBA10CG800
6	Record	Gas Turbine Thrust Bearing.1 Temperature	< 100 °C	<u>73.72</u> °C	**MBA10CT015/020
7	Record	Gas Turbine Bearing.2 Vibration	< 7.0 mm/s	<u>3.4</u> mm/s	**MBA10CY805
8	Record	Gas Turbine Bearing.2 Temperature	< 100 °C	<u>74.21</u> °C	**MBA10CT090/095
9	Record	Generator Bearing.1 Vibration & Temperature	4.5 mm/s / <u>0.6</u> mm/s	< 85 °C / <u>65</u> °C	**MKA10CY800/CT005
10	Record	Generator Bearing.2 Vibration & Temperature	4.5 mm/s / <u>0.6</u> mm/s	< 85 °C / <u>72</u> °C	**MKA10CY805/CT010
9	Check	GT Bleed valve no.1 passing	<input checked="" type="checkbox"/> No passing <input type="checkbox"/> Passing		**MBH10AA005
10	Check	GT Bleed valve no.1 passing	<input checked="" type="checkbox"/> No passing <input type="checkbox"/> Passing		**MBH10AA010

Note :

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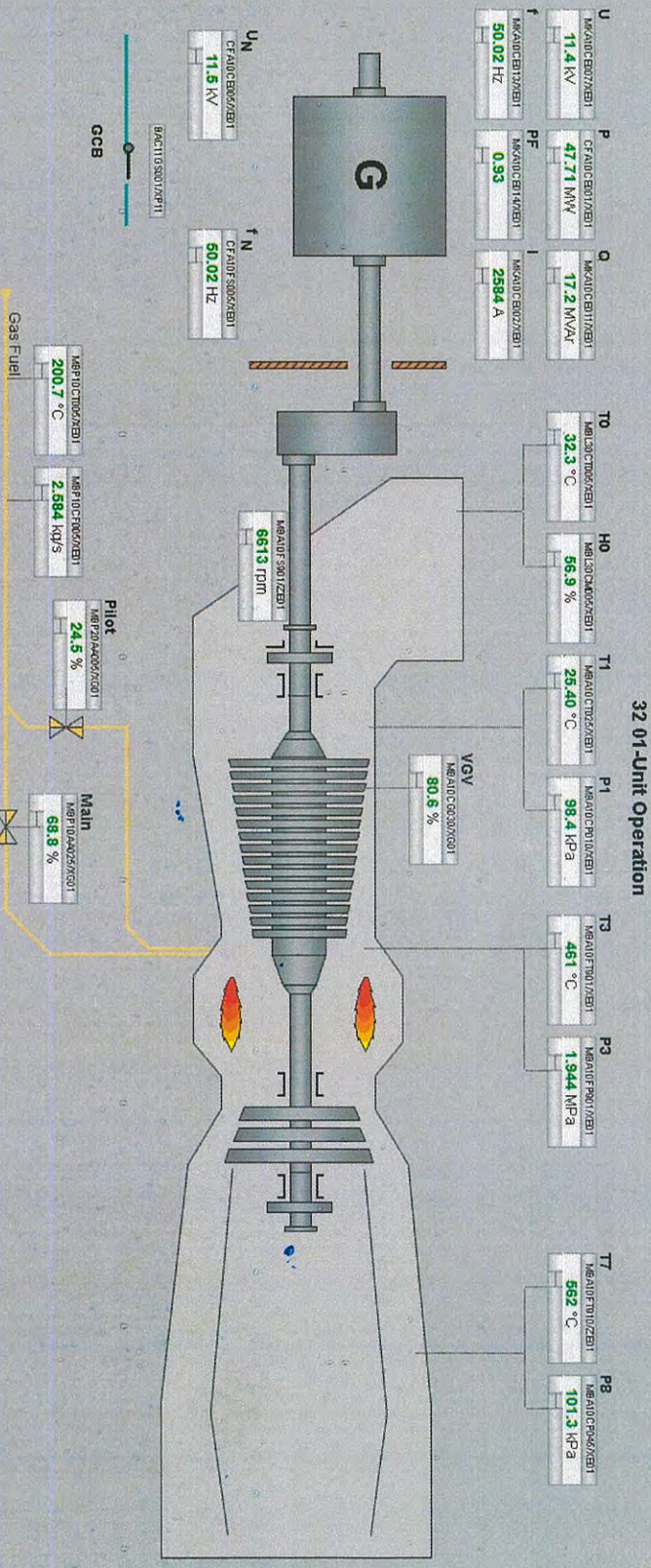
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Date:

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19-12-23



Operational mode	GT controllers	Gen. controllers	Unit operation	Start indications	Stop indications	Fuel	Sequences	Power [MW]	T32L [C]	Remaining Time Hot Start Inhibit
CFR00B0000Z004 Internal	CFR00B0000Z005 Load Mode SP 1 47.6 MW	MKT00B0000Z005 Voltage Mode SP 1 11.5 kV	CJ00B0000Z004 Ready to Start	CJ00B0000Z005 Ventilation	CA00B0000Z001 Start Abort	MAF00B0000Z001 Gas	Turbine Sequen SFC	MAUDC00000001 +50	MAUDC00000001 +1238	CJ00B0000Z006 0 min
CFR00B0000Z003 External	CFR00B0000Z006 Frequency Mode SP 1 60.00 Hz	MKT00B0000Z006 MVA Mode SP 1 16.3 MVA	CJ00B0000Z005 Preparation	CJ00B0000Z006 Lube Oil	CA00B0000Z002 GCB Trip		Unit sequence SFC	MAUDC00000002 +40	MAUDC00000002 +1038	
CFR00B0000Z001 Off		MKT00B0000Z007 PT Mode SP 1 0.93	CJ00B0000Z006 Start / Stop	CJ00B0000Z007 Purge / Fuel Prep	CA00B0000Z003 UL90 SD			MAUDC00000003 +35	MAUDC00000003 +778	
		MKT00B0000Z008 FCR Mode SP 1 8.70 A	FG GCB Synch / Off	CJ00B0000Z008 Main ignition	CA00B0000Z004 Instant SD			MAUDC00000004 +25	MAUDC00000004 +518	
			FG Start / Stop	CJ00B0000Z009 Acc With Starter	CA00B0000Z005 Stopping			MAUDC00000005 +10	MAUDC00000005 +255	
			FG GCB Synch / Off	CJ00B0000Z010 Excitation	MAF00B0000Z002 Warm Turbine Barring					
			FG GCB Synch / Off	CJ00B0000Z011 Synchronizing						
			FG GCB Synch / Off	CJ00B0000Z012 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z013 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z014 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z015 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z016 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z017 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z018 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z019 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z020 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z021 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z022 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z023 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z024 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z025 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z026 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z027 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z028 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z029 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z030 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z031 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z032 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z033 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z034 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z035 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z036 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z037 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z038 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z039 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z040 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z041 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z042 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z043 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z044 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z045 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z046 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z047 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z048 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z049 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z050 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z051 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z052 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z053 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z054 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z055 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z056 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z057 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z058 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z059 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z060 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z061 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z062 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z063 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z064 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z065 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z066 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z067 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z068 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z069 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z070 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z071 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z072 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z073 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z074 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z075 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z076 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z077 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z078 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z079 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z080 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z081 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z082 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z083 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z084 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z085 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z086 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z087 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z088 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z089 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z090 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z091 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z092 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z093 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z094 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z095 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z096 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z097 Purge Time						
			FG GCB Synch / Off	CJ00B0000Z098 Cool Down Time						
			FG GCB Synch / Off	CJ00B0000Z099 Unit in Service						
			FG GCB Synch / Off	CJ00B0000Z100 Purge Time						



Amata B.Grimm Power (Rayong) 3 4

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Gas Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4		Location: Gas Turbine	
System : Gas Turbine		Sub-System : Air Intake System	
Plant Unit : <input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 3		<input type="checkbox"/> Amata B.Grimm Power (Rayong) 4	
Equipment KKS : <input type="checkbox"/> 31MBL <input checked="" type="checkbox"/> 32MBL <input type="checkbox"/> 41MBL <input type="checkbox"/> 42MBL		Equipment Name : <input type="checkbox"/> GT31 Air Intake System <input checked="" type="checkbox"/> GT32 Air Intake System <input type="checkbox"/> GT41 Air Intake System <input type="checkbox"/> GT42 Air Intake System	
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input checked="" type="checkbox"/> Unit Barring speed		PTW Number : <u>GW 5506</u> W/O Number : <u>NK 931204.0003</u> Date : <u>10-12-23</u>	

Item	Action	Job Detail	Limit	Data record	Remark
1	Visual Check	Check whether louvers the entry screen is block	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Blocked	
2	Visual Check	Check all visible door sealing	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Damaged	
3	Visual Check	Check all coated surface regard with crack	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Cracked	
4	Record	Diff presssure of Pre-Filter during opt.	< 0.45 kPa	<u>0.16</u> kPa	**MBL10CP005
5	Record	Diff presssure of High Efficiency Filter during opt	< 0.60 kPa	<u>0.22</u> kPa	**MBL30FP925
6	Record	Gas turbine load, MW		<u>47.51</u> MW	Record during opt
7	Check	Check filter loosen bolt and nuts	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Loosen	
8	Check	Duct bin are drained of condensate	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal	
9	Visual check	Check water leak during Evap pump running	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Leaked	
10	Check	Check Evap pump loosen bolt and nuts	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Loosen	

Note :

- Primary air system announce the alarm exchange the Pre-filter at 400 Pa/ High efficiency filter at 550 Pa and Total air intake channal 1200 Pa
- GT inlet air operating temp. range is 10~48.9 °C
- Air flow at 15°C, ISO condition 131 kg/s

During opt: During operating

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Date:

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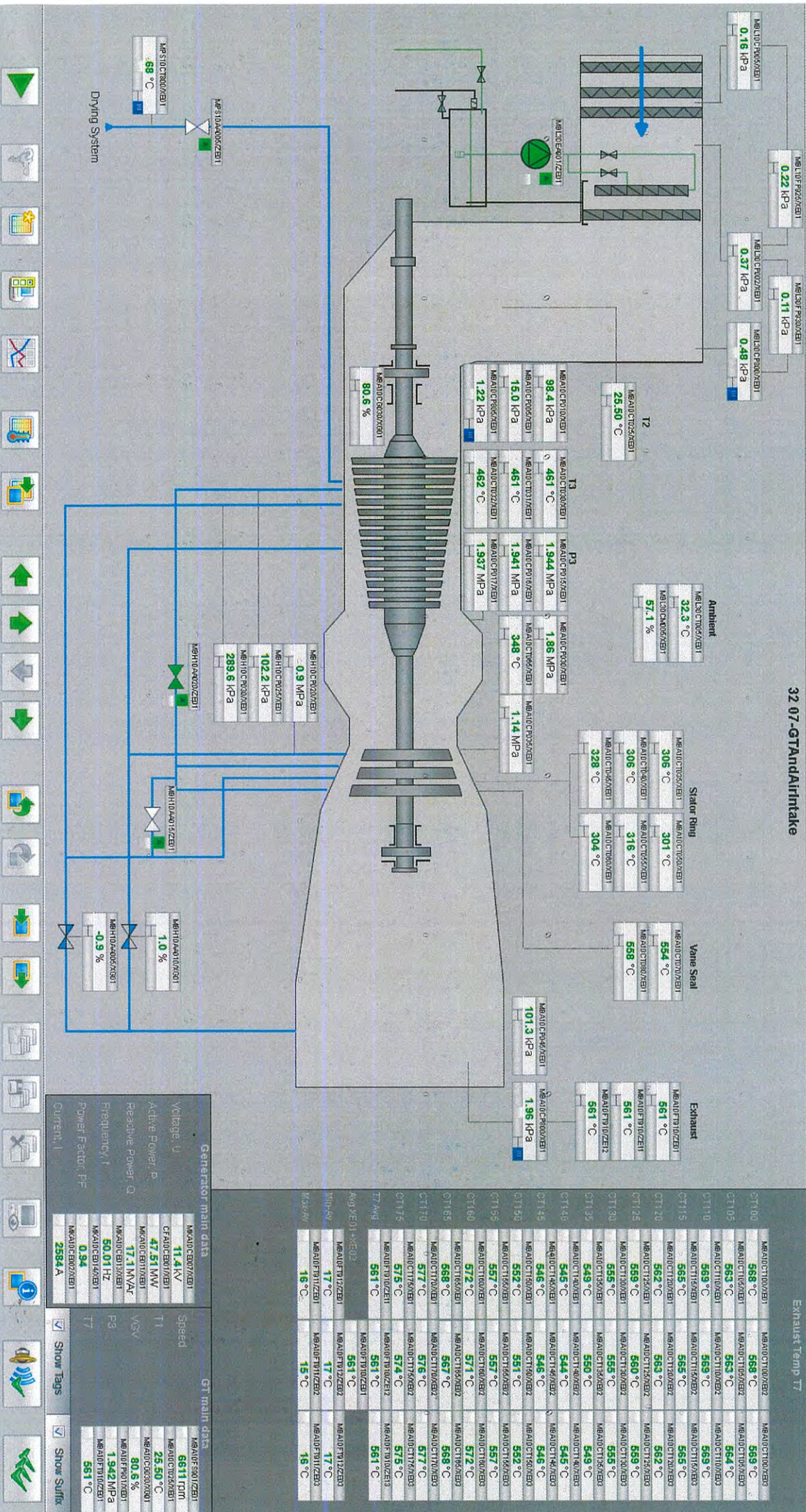
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Approved By :

Date:

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15-12-23





Amata B.Grimm Power (Rayong) 3 4

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Gas Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4		Location: Gas Turbine	
System : Gas Turbine		Sub-System : Fuel Gas System	
Plant Unit : <input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 3		<input type="checkbox"/> Amata B.Grimm Power (Rayong) 4	
Equipment KKS : <input type="checkbox"/> 31MBP <input checked="" type="checkbox"/> 32MBP <input type="checkbox"/> 41MBP <input type="checkbox"/> 42MBP		Equipment Name : <input type="checkbox"/> GT31 Fuel Gas System <input checked="" type="checkbox"/> GT32 Fuel Gas System <input type="checkbox"/> GT41 Fuel Gas System <input type="checkbox"/> GT42 Fuel Gas System	
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input checked="" type="checkbox"/> Unit Barring speed		PTW Number : <u>4215506</u> W/O Number : <u>WF231204.0003</u> Date : <u>10-12-23</u>	

Item	Action	Job Detail	Data record	Remark
1	Visual check	Check for damages	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Damaged	
2	Record	Fuel gas Y-strainer differential pressure	< 70 kPa <u>30</u> kPa	**MBP10FP915

Note : Check gas leakage with gas detector

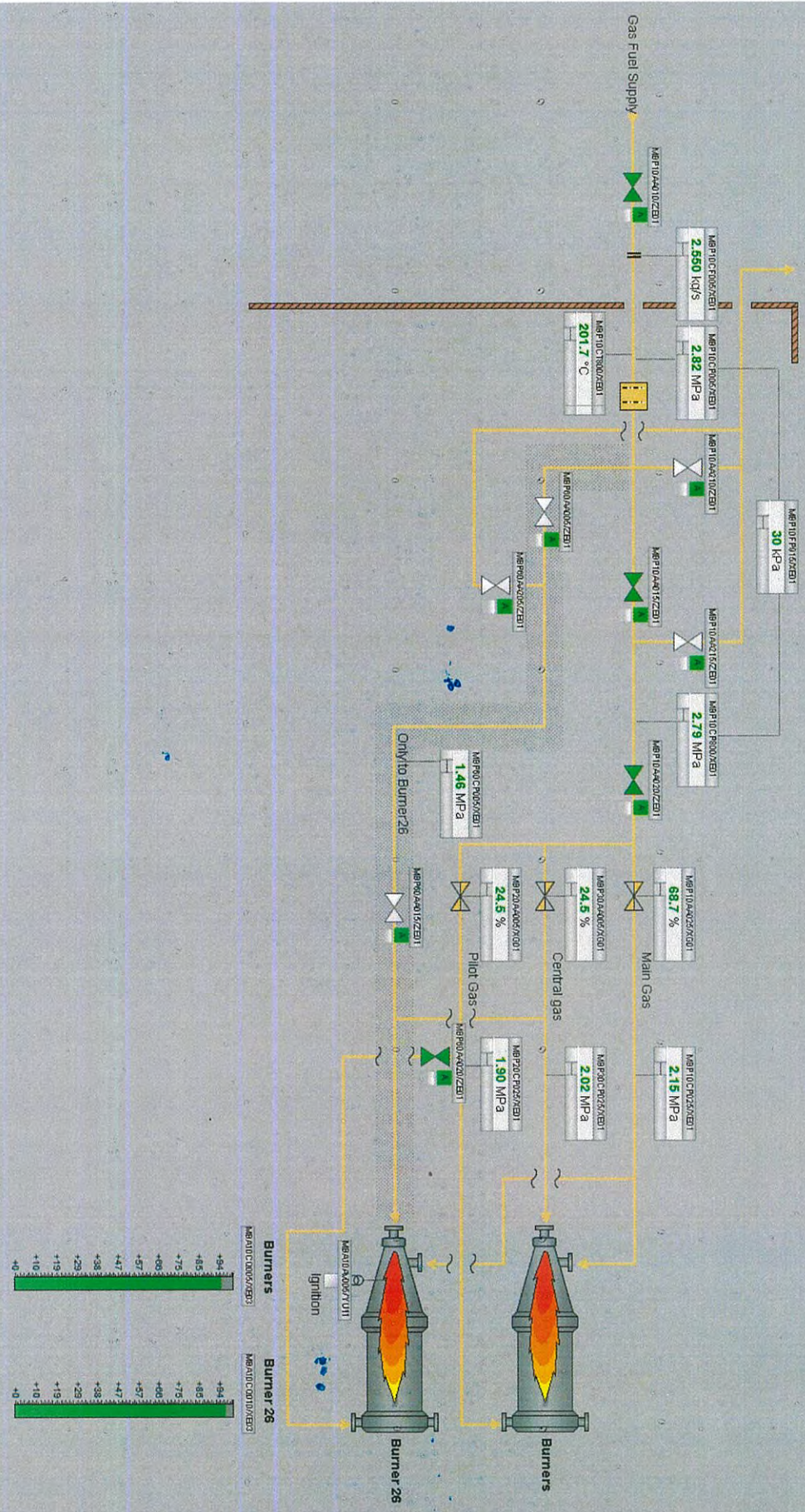
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Date: 15-12-23

Approved By : [Signature]

Date: 15-12-23

Atmosphere



FC Gas Fuel	MA10CE001Z/B1	FC	
Pilot Ignition FG	MA10CE001Z/B1	FG	
Gas Fuel Seq		FC	
GT main data			
Speed	MA10CE001Z/B1	6612 rpm	
T1	MA10CE001Z/B1	25.50 °C	
GVV	MA10CE001Z/B1	80.6 %	
P3	MA10CE001Z/B1	1.942 MPa	
T7	MA10CE001Z/B1	561 °C	
Generator main data			
Voltage U	MA10CE001Z/B1	11.4 kV	
Active Power P	CFAC0EB01Z/B1	47.49 MW	
Reactive Power Q	MA10CE001Z/B1	17.2 MVar	
Frequency f	MA10CE001Z/B1	50.02 Hz	
Power Factor PF	MA10CE001Z/B1	0.93	
Current I	MA10CE001Z/B1	2584 A	
Energy Flow			
Gas	CF10FE001Z/B1	118.7 MJ/s	
Heat	CF10FE001Z/B1	118.7 MJ/s	
Purge Time	MA10CE001Z/B1	0m 0s	
Show Tags			
Show Suffix			



Amata B.Grimm Power (Rayong) 3 4

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Gas Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4	Location: Gas Turbine
System : Gas Turbine	Sub-System : Gear and Starting System
Plant Unit : <input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 3	<input type="checkbox"/> Amata B.Grimm Power (Rayong) 4
Equipment KKS : <input checked="" type="checkbox"/> 31MBK <input checked="" type="checkbox"/> 32MBK <input type="checkbox"/> 41MBK <input type="checkbox"/> 42MBK	Equipment Name : <input checked="" type="checkbox"/> GT31 Gear and Starting System <input checked="" type="checkbox"/> GT32 Gear and Starting System <input type="checkbox"/> GT41 Gear and Starting System <input type="checkbox"/> GT42 Gear and Starting System
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input checked="" type="checkbox"/> Unit Barring speed	PTW Number : <u>GH 5506</u> W/O Number : <u>NK 231204.0003</u> Date : <u>10-12-23</u>

Item	Action	Job Detail	Data record	Data record	Remark
1	Visual check	Conditions around gearbox / backup barring motor	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal	
2	Visual check	Any oil leakage	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Leaked	
3	Check	Loosen of bolt or nut	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Loosen	
4	Record	Vibration values for gear box	< 4.5 mm/s	<u>0.3</u> mm/s	**MBK10CY030
5	Record	Vibration values for gear box	< 4.5 mm/s	<u>0.9</u> mm/s	**MBK10CY800
6	Record	Temperature values for bearing	< 100°C	<u>65</u> °C <u>69</u> °C <u>78</u> °C <u>88</u> °C	MBK10CT005/010/025/030

Note :

- Initial vibration value (reference value on starting up)
- Initial temperature value (reference value on starting up)
- Checking bearing every year if shaft vibrations and or bearing/thrust bearing tempearture rise from nominal values up to 25%
- Lube oil inlet pressure nominal 1.5 bar (alarm low 1.3 bar/ trip 0.8 bar)

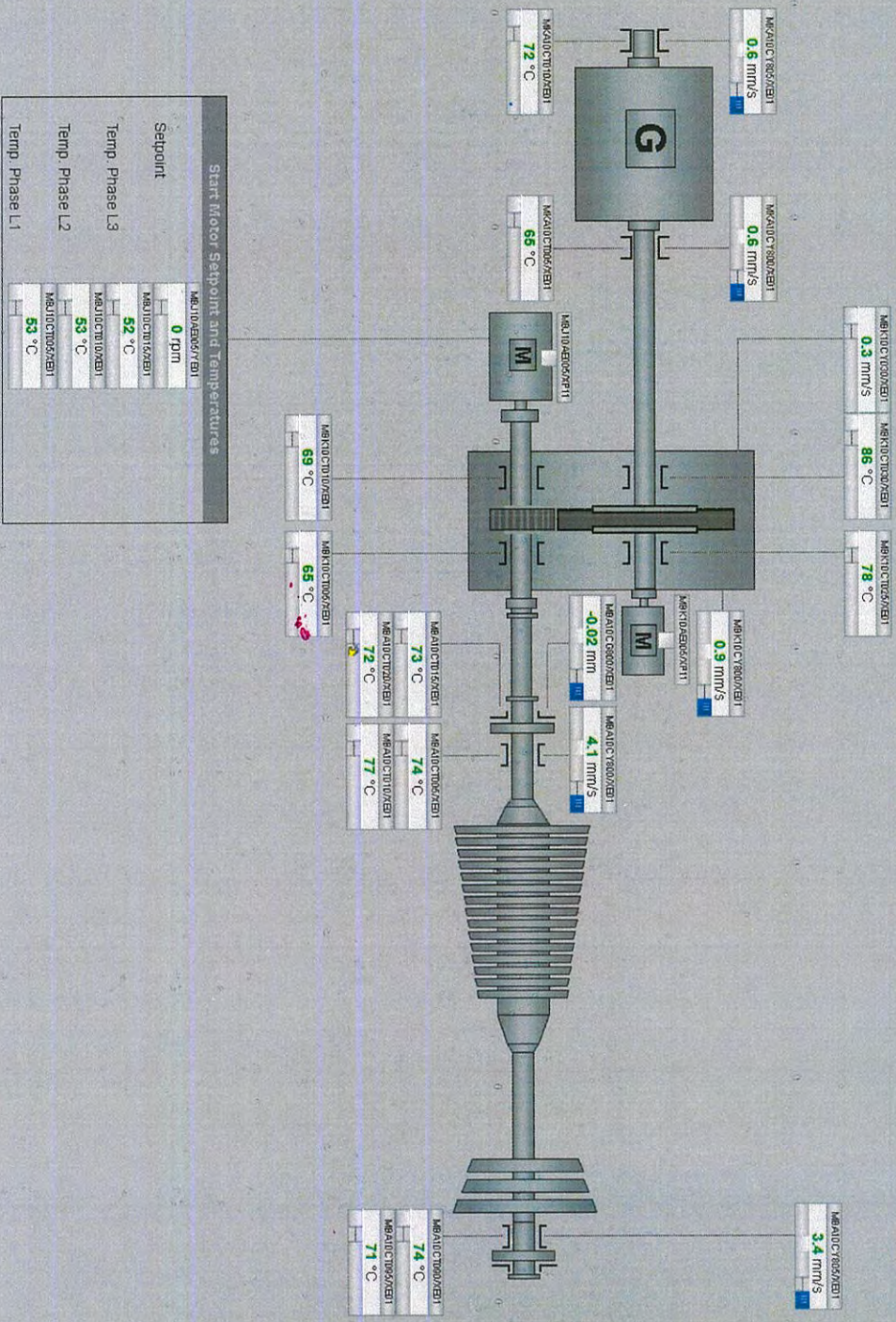
Checked By :

Date:

Approved By :

Date:

32 08-Bearings



Start Motor Setpoint and Temperatures

Setpoint	MAUDCT08/BE1
Temp. Phase L3	52 °C
Temp. Phase L2	53 °C
Temp. Phase L1	53 °C

L/O Supply Press.	MAUDCT08/BE1: 229 kPa
L/O Supply Temp.	MAUDCT08/BE1: 50.3 °C
Reset Fault MBI	MAUDCT08/BE1: [button]

Generator main data	
Speed	MAUDCT08/BE1: 5609 rpm
T1	MAUDCT08/BE1: 26.40 °C
VGV	MAUDCT08/BE1: 80.6 %
P3	MAUDCT08/BE1: 1.941 MPa
T7	MAUDCT08/BE1: 561 °C

Generator main data	
Voltage, U	MAUDCT08/BE1: 11.4 kV
Active Power, P	MAUDCT08/BE1: 47.49 MW
Reactive Power, Q	MAUDCT08/BE1: 17.2 MVar
Frequency, f	MAUDCT08/BE1: 50.00 Hz
Power Factor, PF	MAUDCT08/BE1: 0.94
Current, I	MAUDCT08/BE1: 2584 A



Amata B.Grimm Power (Rayong) 3 4

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Gas Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4		Location: Gas Turbine	
System : Gas Turbine		Sub-System : Lube Oil System	
Plant Unit : <input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 3		<input type="checkbox"/> Amata B.Grimm Power (Rayong) 4	
Equipment KKS : <input type="checkbox"/> 31MBV <input checked="" type="checkbox"/> 32MBV <input type="checkbox"/> 41MBV <input type="checkbox"/> 42MBV		Equipment Name : <input type="checkbox"/> GT31 Lube Oil System <input checked="" type="checkbox"/> GT32 Lube Oil System <input type="checkbox"/> GT41 Lube Oil System <input type="checkbox"/> GT42 Lube Oil System	
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input checked="" type="checkbox"/> Unit barring speed		PTW Number : <u>GH 5506</u> W/O Number : <u>NK 231204.0003</u> Date : <u>10-12-23</u>	

Item	Action	Job Detail	Limit	Data record	Remark
1	Record	Lube oil tank level	610-680 mm	<u>644</u> mm	**MBV10CL010
2	Record	Lube oil tank temperature	< 100 °C	<u>70</u> °C	**MBV10CT010
3	Record	Lube oil pressure	> 140 kPa	<u>229</u> kPa	**MBV40CP800
4	Record	Lube oil temperature	45 - 50 °C	<u>50.3</u> °C	**MBV40CT800
5	Visual check	Lube oil leak	<input type="checkbox"/> Normal	<input checked="" type="checkbox"/> Leak	<u>Leak point</u>
6	Record	Negative pressure in the oil tank		<u>-3.8</u> kPa	**MBV10CP800
7	Record	Diff pressure of lube oil filter	< 110 kPa	<u>47</u> kPa	**MBV40CP010
8	Record	Diff pressure of lube oil mist filter	-	<u>0.7</u> kPa	**MBV10CP010
9	Visual check	Conditions around oil mist step.2 on roof	<input type="checkbox"/> Normal	<input checked="" type="checkbox"/> Found Oil spill	

Note :

Checked By : <u></u> Date: <u>15-12-23</u>	Approved By : <u></u> Date: <u>15-12-23</u>
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Amata B.Grimm Power (Rayong) 3 4

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Gas Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4		Location: Gas Turbine	
System : Gas Turbine		Sub-System : Ventilation System	
Plant Unit : <input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 3		<input type="checkbox"/> Amata B.Grimm Power (Rayong) 4	
Equipment KKS : <input checked="" type="checkbox"/> 31MBV <input checked="" type="checkbox"/> 32MBV <input type="checkbox"/> 41MBV <input type="checkbox"/> 42MBV		Equipment Name : <input type="checkbox"/> GT31 Ventilation System <input checked="" type="checkbox"/> GT32 Ventilation System <input type="checkbox"/> GT41 Ventilation System <input type="checkbox"/> GT42 Ventilation System	
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input checked="" type="checkbox"/> Unit barring speed		PTW Number : <u>QW 5506</u> W/O Number : <u>NK 231204.0003</u> Date : <u>10-12-23</u>	

Item	Action	Job Detail	Limit	Data record	Remark
1	Visual Check	Check whether louvers dirty	<input type="checkbox"/> Clean	<input checked="" type="checkbox"/> Dirt	
2	Visual Check	Check ventilation filter conditions	<input type="checkbox"/> Clean	<input type="checkbox"/> Dirt	
3	Visual Check	Check all visible door sealing	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Damaged	
4	Record	Record differential perssure GT enclosure	> 0.25 kPa	<u>0.17</u> kPa	**SAG10CP005
5	Check	Check filter loosen bolt and nuts	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Loosen	
6	Cleaninig	Cleaning inside ventilation room	<input checked="" type="checkbox"/> Clean up		

Note :

Checked By : <u></u>	Approved By : <u></u>
Date: <u>15-12-23</u>	Date: <u>15-12-23</u>

Ventilation system
SAG10E#00172

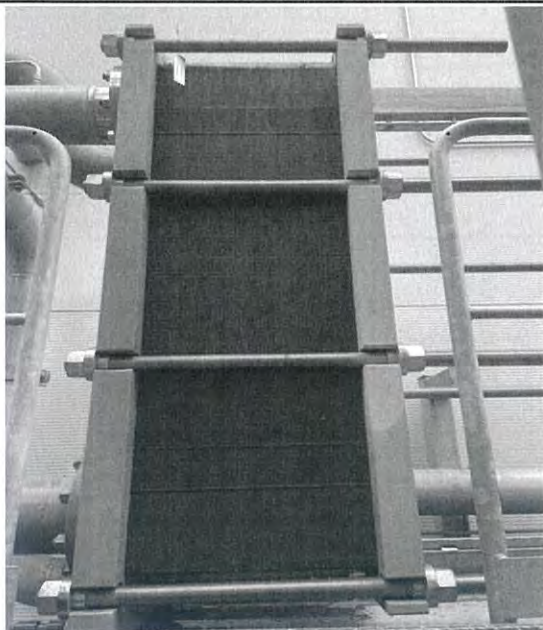


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Gas Turbine Lube oil Plate Heat Exchanger Inspection

Site : Amata B.Grimm Power (Rayong) 3 4		Location: Gas Turbine	
System : Gas Turbine		Sub-System : Lube oil System	
Plant Unit : <input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 3		<input type="checkbox"/> Amata B.Grimm Power (Rayong) 4	
Equipment KKS : <input type="checkbox"/> 31MBV30AC005 <input checked="" type="checkbox"/> 32MBV30AC005 <input type="checkbox"/> 41MBV30AC005 <input type="checkbox"/> 42MBV30AC005		Equipment Name : <input type="checkbox"/> GT31 Plate Heat Exchanger <input checked="" type="checkbox"/> GT32 Plate Heat Exchanger <input type="checkbox"/> GT41 Plate Heat Exchanger <input type="checkbox"/> GT42 Plate Heat Exchanger	

Front view



Rear view



Checked By :

Date:

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15-12-23

Approved By :

Date:

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15-12-23



Amata B.Grimm Power (Rayong) 3 4

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Gas Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4	Location: Gas Turbine
System : Gas Turbine	Sub-System : Gas Turbine Module
Plant Unit : <input type="checkbox"/> Amata B.Grimm Power (Rayong) 3	<input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 4
Equipment KKS : <input type="checkbox"/> 31MBA <input type="checkbox"/> 32MBA <input checked="" type="checkbox"/> 41MBA <input type="checkbox"/> 42MBA	Equipment Name : <input type="checkbox"/> GT31 Module <input type="checkbox"/> GT32 Module <input checked="" type="checkbox"/> GT41 Module <input type="checkbox"/> GT42 Module
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input checked="" type="checkbox"/> Unit Barring speed	PTW Number : <u>GH 5526</u> W/O Number : <u>NK 231204.0060</u> Date : <u>17-12-23</u>

Item	Action	Job Detail	Limit	Data record	Remark
1	Visual check	General conditions around GT module	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal		
2	Visual check	GT insulation abnormal	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Heated defect		
3	Record	Gas Turbine Journal Bearing.1 Vibration	< 7.0 mm/s	3.2 mm/s	**MBA10CY800
4	Record	Gas Turbine Journal Bearing.1 Temperature	< 100 °C	73,74 °C	**MBA10CT005/010
5	Record	Gas Turbine Thrust Bearing.1 Vibration		0.03 mm/s	**MBA10CG800
6	Record	Gas Turbine Thrust Bearing.1 Temperature	< 100 °C	72,72 °C	**MBA10CT015/020
7	Record	Gas Turbine Bearing.2 Vibration	< 7.0 mm/s	4.6 mm/s	**MBA10CY805
8	Record	Gas Turbine Bearing.2 Temperature	< 100 °C	73,69 °C	**MBA10CT090/095
9	Record	Generator Bearing.1 Vibration & Temperature	4.5 mm/s / 0.5 mm/s	< 85 °C / 66 °C	**MKA10CY800/CT005
10	Record	Generator Bearing.2 Vibration & Temperature	4.5 mm/s / 0.5 mm/s	< 85 °C / 73 °C	**MKA10CY805/CT010
9	Check	GT Bleed valve no.1 passing	<input checked="" type="checkbox"/> No passing <input type="checkbox"/> Passing		**MBH10AA005
10	Check	GT Bleed valve no.1 passing	<input checked="" type="checkbox"/> No passing <input type="checkbox"/> Passing		**MBH10AA010

Note :

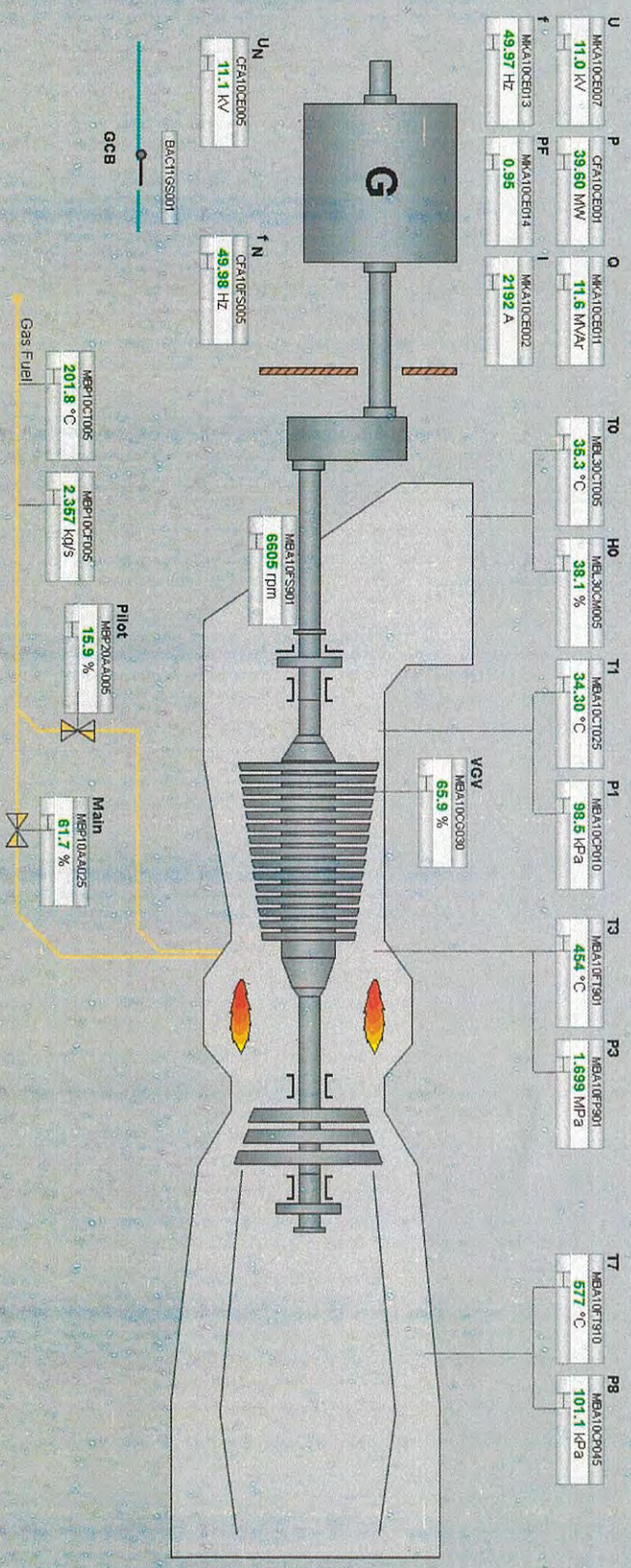
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41 01-Unit Operation



Operational mode CPI00E901 Internal CPI00E901 External CPI00E901 Off	GT controllers CPI00E903 Load Mode CPI00E903 SP 1 39.7 MW CPI00E904 Frequency Mode CPI00E904 SP 50.00 Hz	Gen. controllers MKY10CE901 Voltage Mode MKY10CE901 SP 11.1 kV MKY10CE902 MW Mode MKY10CE902 SP 12.7 MW MKY10CE903 PF Mode MKY10CE903 SP 0.95 MKY10CE904 FOR Mode MKY10CE904 SP 7.10 A	Unit operation CJO0E901 Ready to Start CJO0E901 Preparation CJO0E902 Start / Stop BACH0S001 GCB Synch / Off CPI00E902 Bypass Soft Start CPI00E902 0h 0m 0s	Start indications CJO0E901 Ventilation CJO0E901 Lube Oil CJO0E901 Purge / Fuel Prep CJO0E901 Pilot Ignition CJO0E901 Main Ignition CJO0E901 Acc With Starter CJO0E901 Acceleration CJO0E901 Excitation CJO0E901 Synchronizing CJO0E901 Unit in Service CJO0E901 Purge Time 0m 0s	Stop indications CJO0E902 Start Abort CJO0E904 GCB Trip CJO0E903 UL90 SD CJO0E903 UL30 SD CJO0E901 Instant SD CJO0E901 Stopping MEV0E903 Warm Turbine Barring MEV0E903	Fuel MEP0E901 Gas FG	Sequences Turbine Sequen SFC Unit sequence SFC 50 %	Power [MW] MEA10CE010 +45 +40 +35 +30 +25 +20 +15 +10 +5 +0	T32L [C] MEA10TS003 +1258 +1038 +778 +518 +258 +0	Remaining Time Hot Start Inhibit CJO0E901 0 min
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Amata B.Grimm Power (Rayong) 3 4

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Gas Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4		Location: Gas Turbine	
System : Gas Turbine		Sub-System : Air Intake System	
Plant Unit : <input type="checkbox"/> Amata B.Grimm Power (Rayong) 3		<input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 4	
Equipment KKS : <input type="checkbox"/> 31MBL <input type="checkbox"/> 32MBL <input checked="" type="checkbox"/> 41MBL <input type="checkbox"/> 42MBL		Equipment Name : <input type="checkbox"/> GT31 Air Intake System <input type="checkbox"/> GT32 Air Intake System <input checked="" type="checkbox"/> GT41 Air Intake System <input type="checkbox"/> GT42 Air Intake System	
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input checked="" type="checkbox"/> Unit Barring speed		PTW Number : <u>9W 5526</u> W/O Number : <u>WK231204.0060</u> Date : <u>17-12-23</u>	

Item	Action	Job Detail	Limit	Data record	Remark
1	Visual Check	Check whether louvers the entry screen is block	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Blocked		
2	Visual Check	Check all visible door sealing	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Damaged		
3	Visual Check	Check all coated surface regard with crack	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Cracked		
4	Record	Diff presssure of Pre-Filter during opt.	< 0.45 kPa	<u>0.14</u> kPa	**MBL10CP005
5	Record	Diff presssure of High Efficiency Filter during opt	< 0.60 kPa	<u>0.15</u> kPa	**MBL30FP925
6	Record	Gas turbine load, MW		<u>39.70</u> MW	Record during opt
7	Check	Check filter loosen bolt and nuts	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Loosen		
8	Check	Duct bin are drained of condensate	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal		
9	Visual check	Check water leak during Evap pump running	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Leaked		
10	Check	Check Evap pump loosen bolt and nuts	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Loosen		

Note : - Primary air system announce the alarm exchange the Pre-filter at 400 Pa/ High efficiency filter at 550 Pa
and Total air intake channal 1200 Pa
- GT inlet air operating temp. range is 10~48.9 °C
- Air flow at 15°C, ISO condition 131 kg/s
During opt: During operating

Checked By :

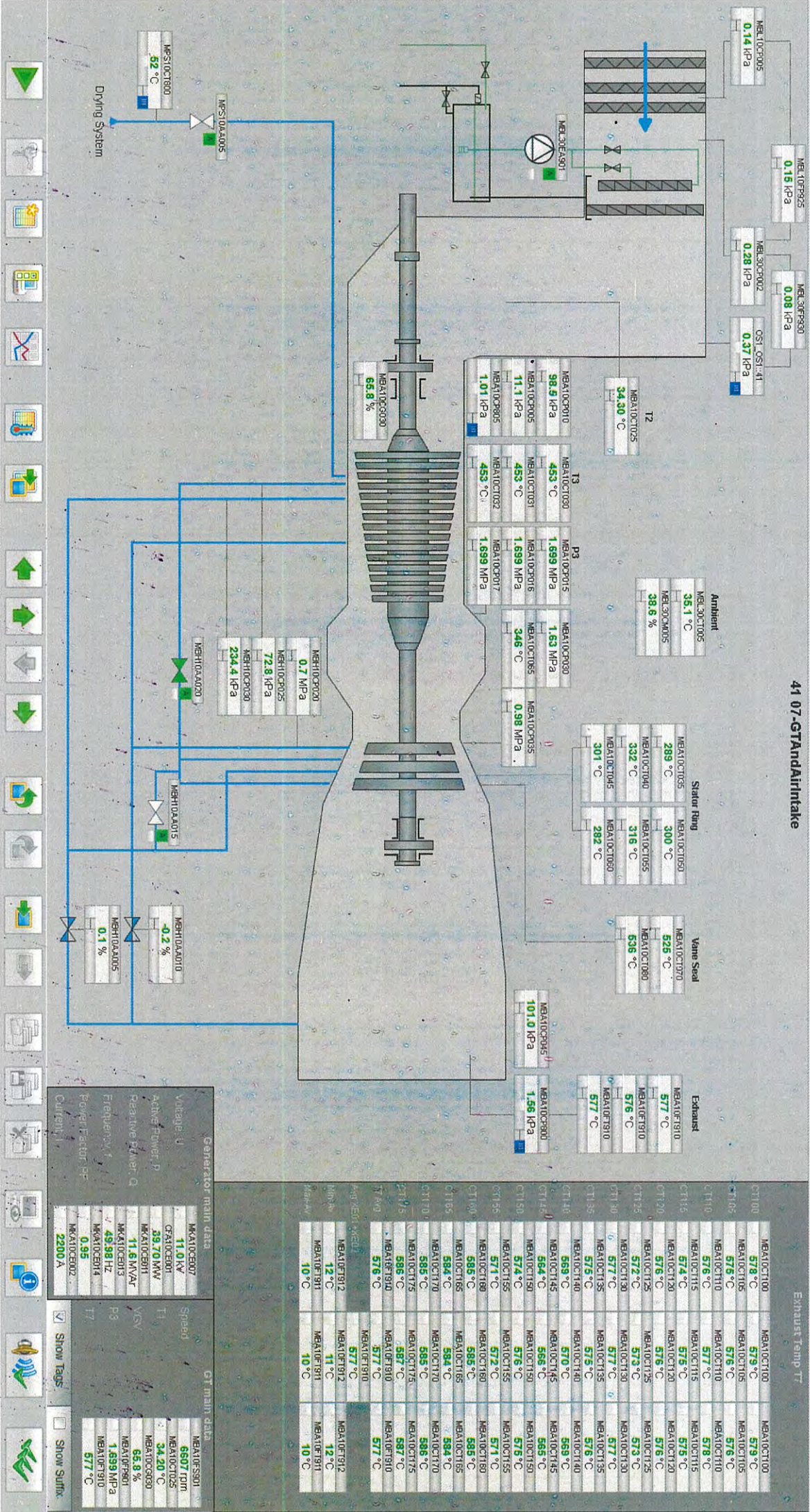
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20-12-23





Amata B.Grimm Power (Rayong) 3 4

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Gas Turbine Monthly Inspection Check List

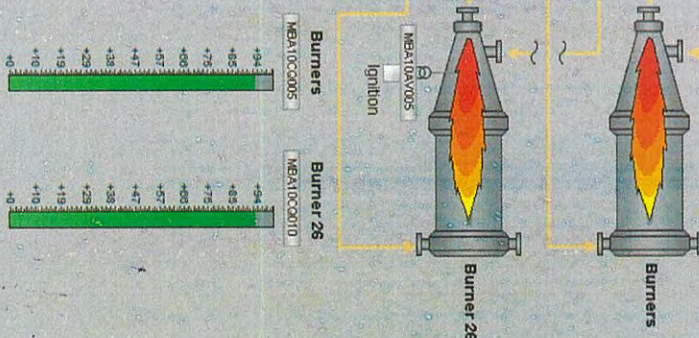
Site : Amata B.Grimm Power (Rayong) 3 4		Location: Gas Turbine	
System : Gas Turbine		Sub-System : Fuel Gas System	
Plant Unit : <input type="checkbox"/> Amata B.Grimm Power (Rayong) 3		<input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 4	
Equipment KKS : <input type="checkbox"/> 31MBP <input type="checkbox"/> 32MBP <input checked="" type="checkbox"/> 41MBP <input type="checkbox"/> 42MBP		Equipment Name : <input type="checkbox"/> GT31 Fuel Gas System <input type="checkbox"/> GT32 Fuel Gas System <input checked="" type="checkbox"/> GT41 Fuel Gas System <input type="checkbox"/> GT42 Fuel Gas System	
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input checked="" type="checkbox"/> Unit Barring speed		PTW Number : <u>GW 5526</u> W/O Number : <u>WK 231209.0060</u> Date : <u>17-12-23</u>	

Item	Action	Job Detail	Data record	Remark
1	Visual check	Check for damages	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Damaged	
2	Record	Fuel gas Y-strainer differential pressure	< 70 kPa <u>27</u> kPa	**MBP10FP915

Note : Check gas leakage with gas detector

Checked By : [Signature]
Date: 20-12-23

Approved By : [Signature]
Date: 20-12-23



Generator main data	
Model	KKAI0C0907
Voltage	11.0 kV
Active Power P	39.56 MW
Reactive Power Q	11.6 MVA
Frequency f	49.56 Hz
Power Factor PF	0.95
Current I	2198.4 A



Amata B.Grimm Power (Rayong) 3 4

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Gas Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4		Location: Gas Turbine	
System : Gas Turbine		Sub-System : Gear and Starting System	
Plant Unit : <input type="checkbox"/> Amata B.Grimm Power (Rayong) 3		<input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 4	
Equipment KKS : <input type="checkbox"/> 31MBK <input type="checkbox"/> 32MBK <input checked="" type="checkbox"/> 41MBK <input type="checkbox"/> 42MBK		Equipment Name : <input type="checkbox"/> GT31 Gear and Starting System <input type="checkbox"/> GT32 Gear and Starting System <input checked="" type="checkbox"/> GT41 Gear and Starting System <input type="checkbox"/> GT42 Gear and Starting System	
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input checked="" type="checkbox"/> Unit Barring speed		PTW Number : <u>GW 5526</u> W/O Number : <u>WK 23/204.0060</u> Date : <u>17-12-23</u>	

Item	Action	Job Detail	Data record	Data record	Remark
1	Visual check	Conditions around gearbox / backup barring motor	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal	
2	Visual check	Any oil leakage	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Leaked	
3	Check	Loosen of bolt or nut	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Loosen	
4	Record	Vibration values for gear box	< 4.5 mm/s	0.7 mm/s	**MBK10CY030
5	Record	Vibration values for gear box	< 4.5 mm/s	2.3 mm/s	**MBK10CY800
6	Record	Temperature values for bearing	< 100°C	67 °C 68 °C 76 °C 84 °C	MBK10CT005/010/025/030

Note :

- Initial vibration value (reference value on starting up)
- Initial temperature value (reference value on starting up)
- Checking bearing every year if shaft vibrations and or bearing/thrust bearing tempearture rise from nominal values up to 25%
- Lube oil inlet pressure nominal 1.5 bar (alarm low 1.3 bar/ trip 0.8 bar)

Checked By : [Signature]
Date: 20-12-23

Approved By : [Signature]
Date: 28-12-23



Ventilation system	
GT Room Vent	SG10EG901
	FG
Fire system	
Warning	SG10EG905
Tip	SG10EG905
Equipment Fail	SG10EG905
CO2 detection	SG10EG900
CO2 level low	SG10EG900
GT main data	
Speed	MB10TSS01
TI	6608 rpm
GVV	MB10TCT05
PG	34.10 °C
TI	MB10TCC030
GVV	65.9 %
PG	MB10TFF001
TI	1.698 MPa
GVV	MB10TFF310
PG	577 °C
Generator main data	
Voltage, U _N	MG10TCC007
Active power, P	11.0 kV
Reactive power, Q	CF10TCE001
Frequency, f	33.74 MW
Power factor, PF	MG10TCC001
Current, I	11.7 MW
	MG10TCE003
	43.99 Hz
	MG10TCC004
	0.95
	MG10TCE002
	2192 A



Amata B.Grimm Power (Rayong) 3 4

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Gas Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4		Location: Gas Turbine	
System : Gas Turbine		Sub-System : Lube Oil System	
Plant Unit : <input type="checkbox"/> Amata B.Grimm Power (Rayong) 3		<input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 4	
Equipment KKS : <input type="checkbox"/> 31MBV <input type="checkbox"/> 32MBV <input checked="" type="checkbox"/> 41MBV <input type="checkbox"/> 42MBV		Equipment Name : <input type="checkbox"/> GT31 Lube Oil System <input type="checkbox"/> GT32 Lube Oil System <input checked="" type="checkbox"/> GT41 Lube Oil System <input type="checkbox"/> GT42 Lube Oil System	
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input checked="" type="checkbox"/> Unit barring speed		PTW Number : <u>GH 5506</u> W/O Number : <u>NK 231204.0060</u> Date : <u>17-12-22</u>	

Item	Action	Job Detail	Limit	Data record	Remark
1	Record	Lube oil tank level	610-680 mm	650 mm	**MBV10CL010
2	Record	Lube oil tank temperature	< 100 °C	69 °C	**MBV10CT010
3	Record	Lube oil pressure	> 140 kPa	231 kPa	**MBV40CP800
4	Record	Lube oil temperature	45 - 50 °C	49.5 °C	**MBV40CT800
5	Visual check	Lube oil leak	<input type="checkbox"/> Normal	<input checked="" type="checkbox"/> Leak	Leak point
6	Record	Negative pressure in the oil tank		-40 kPa	**MBV10CP800
7	Record	Diff pressure of lube oil filter	< 110 kPa	98 kPa	**MBV40CP010
8	Record	Diff pressure of lube oil mist filter	-	0.2 kPa	**MBV10CP010
9	Visual check	Conditions around oil mist step.2 on roof	<input type="checkbox"/> Normal	<input checked="" type="checkbox"/> Found Oil spill	

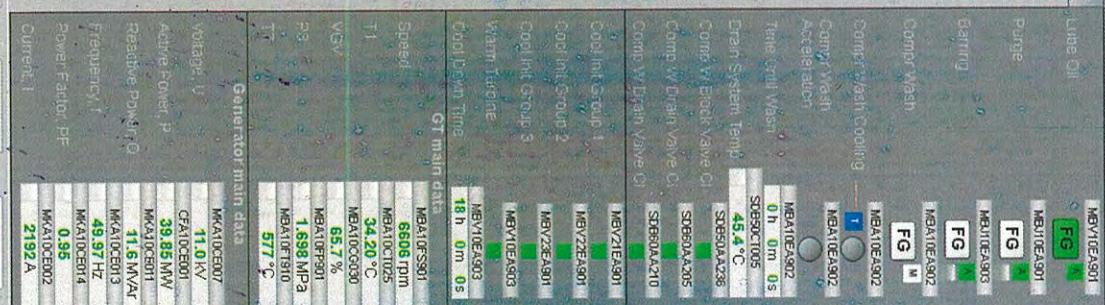
Note :

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Date:

Approved By :

Date:





Amata B.Grimm Power (Rayong) 3 4

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Gas Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4		Location: Gas Turbine	
System : Gas Turbine		Sub-System : Ventilation System	
Plant Unit : <input type="checkbox"/> Amata B.Grimm Power (Rayong) 3		<input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 4	
Equipment KKS : <input type="checkbox"/> 31MBV <input type="checkbox"/> 32MBV <input checked="" type="checkbox"/> 41MBV <input type="checkbox"/> 42MBV		Equipment Name : <input type="checkbox"/> GT31 Ventilation System <input type="checkbox"/> GT32 Ventilation System <input checked="" type="checkbox"/> GT41 Ventilation System <input type="checkbox"/> GT42 Ventilation System	
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input checked="" type="checkbox"/> Unit barring speed		PTW Number : <u>GW 5526</u> W/O Number : <u>NK 231204.0060</u> Date : <u>17-12-23</u>	

Item	Action	Job Detail	Limit	Data record	Remark
1	Visual Check	Check whether louvers dirty	<input type="checkbox"/> Clean	<input checked="" type="checkbox"/> Dirt	
2	Visual Check	Check ventilation filter conditions	<input type="checkbox"/> Clean	<input checked="" type="checkbox"/> Dirt	
3	Visual Check	Check all visible door sealing	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Damaged	
4	Record	Record differential perssure GT enclosure	> 0.25 kPa	<u>0.17</u> kPa	**SAG10CP005
5	Check	Check filter loosen bolt and nuts	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Loosen	
6	Cleaning	Cleaning inside ventilation room	<input checked="" type="checkbox"/> Clean up		

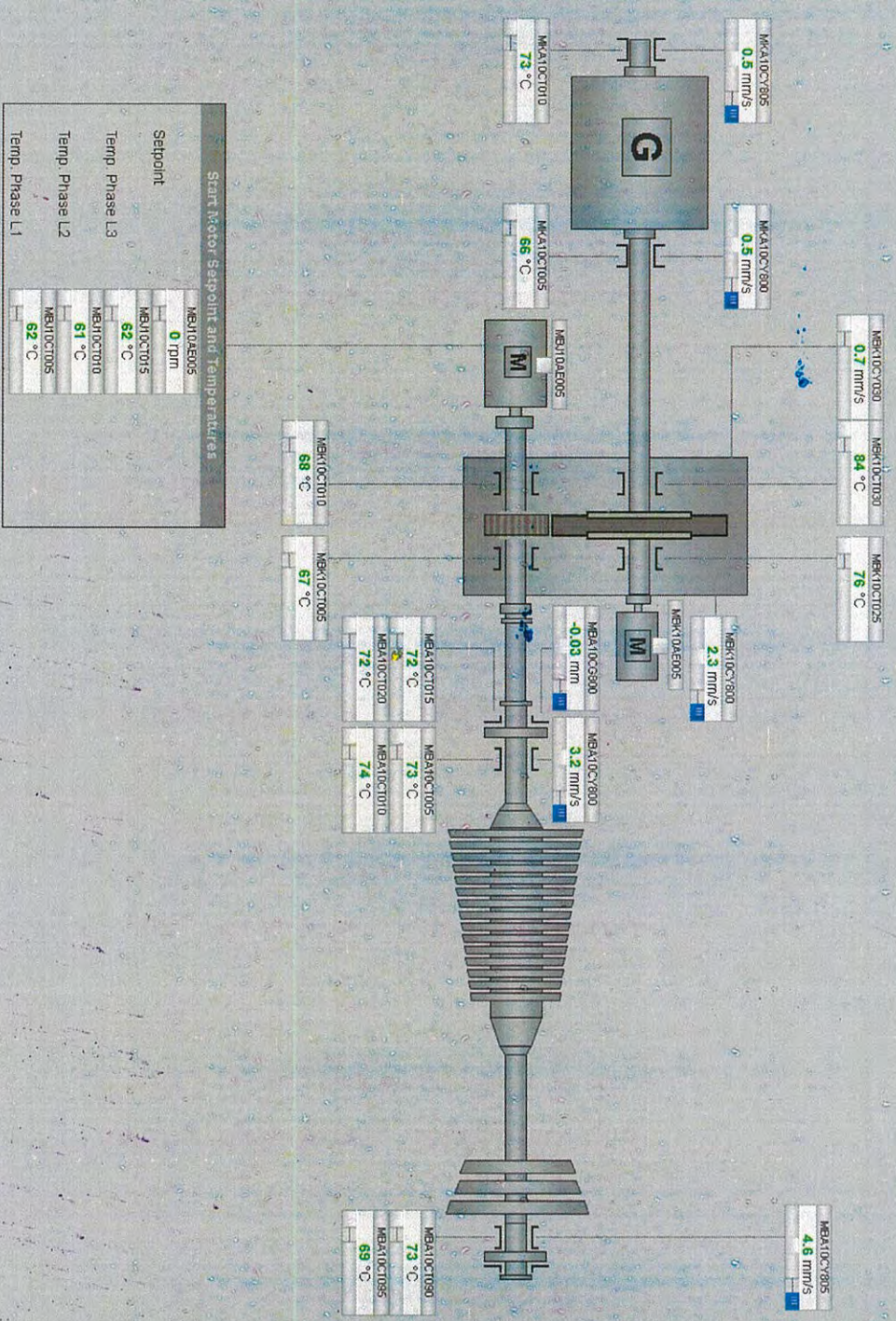
Note :

Checked By : Date: 20-12-23Approved By : Date: 28-12-23

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42

41 08-Bearings



Start Motor Setpoint and Temperatures

Setpoint	MEK10A0E05
Temp. Phase L1	0 rpm
Temp. Phase L2	52 °C
Temp. Phase L3	52 °C
Temp. Phase L1	61 °C
Temp. Phase L2	62 °C
Temp. Phase L3	62 °C

Generator main data

Parameter	Value
Speed	6007 rpm
TH	34.20 °C
WGV	65.5 %
PS	1.599 MPa
TV	517 °C

Generator main data

Parameter	Value
Voltage U	11.0 kV
Active Power P	39.59 MW
Reactive Power Q	11.5 MVar
Frequency f	49.99 Hz
Power Factor PF	0.95
Current I	2192 A

Generator main data

Parameter	Value
LO Supply Press	232 kPa
LO Supply Temp	49.7 °C
Reset Fault MEI	MEK10A0E05

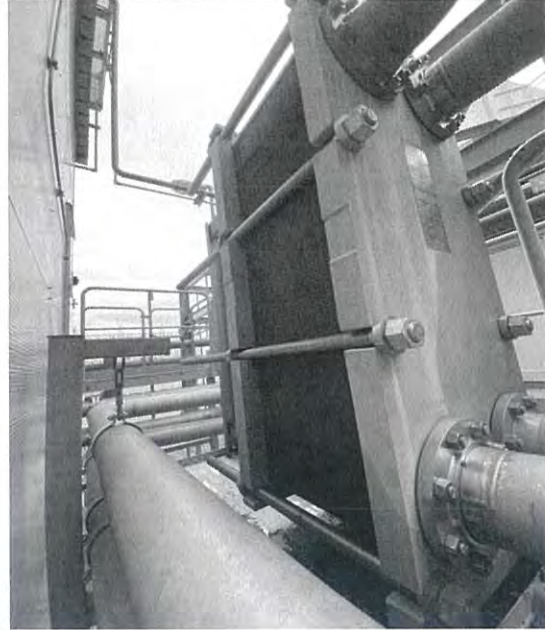
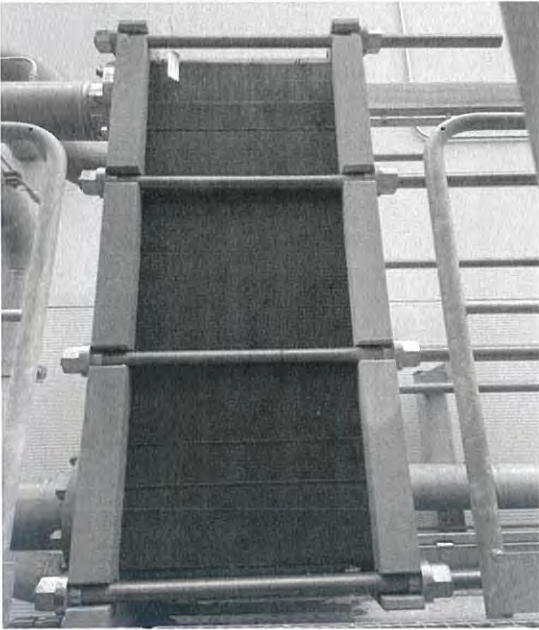
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Gas Turbine Lube oil Plate Heat Exchanger Inspection

Site : Amata B.Grimm Power (Rayong) 3 4		Location: Gas Turbine	
System : Gas Turbine		Sub-System : Lube oil System	
Plant Unit : <input type="checkbox"/> Amata B.Grimm Power (Rayong) 3		<input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 4	
Equipment KKS : <input type="checkbox"/> 31MBV30AC005 <input type="checkbox"/> 32MBV30AC005 <input checked="" type="checkbox"/> 41MBV30AC005 <input type="checkbox"/> 42MBV30AC005		Equipment Name : <input type="checkbox"/> GT31 Plate Heat Exchanger <input type="checkbox"/> GT32 Plate Heat Exchanger <input checked="" type="checkbox"/> GT41 Plate Heat Exchanger <input type="checkbox"/> GT42 Plate Heat Exchanger	

Front view

Rear view



Checked By :

[Signature]

Date:

20-12-23

Approved By :

[Signature]

Date:

20-12-23



Amata B.Grimm Power (Rayong) 3 4

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Gas Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4	Location: Gas Turbine
System : Gas Turbine	Sub-System : Gas Turbine Module
Plant Unit : <input type="checkbox"/> Amata B.Grimm Power (Rayong) 3	<input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 4
Equipment KKS : <input type="checkbox"/> 31MBA <input type="checkbox"/> 32MBA <input type="checkbox"/> 41MBA <input checked="" type="checkbox"/> 42MBA	Equipment Name : <input type="checkbox"/> GT31 Module <input type="checkbox"/> GT32 Module <input type="checkbox"/> GT41 Module <input checked="" type="checkbox"/> GT42 Module
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input checked="" type="checkbox"/> Unit Barring speed	PTW Number : <u>QW5548</u> W/O Number : <u>NK231204.0061</u> Date : <u>24-12-23</u>

Item	Action	Job Detail	Limit	Data record	Remark
1	Visual check	General conditions around GT module	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal		
2	Visual check	GT insulation abnormal	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Heated defect		
3	Record	Gas Turbine Journal Bearing.1 Vibration	< 7.0 mm/s	<u>3.6</u> mm/s	**MBA10CY800
4	Record	Gas Turbine Journal Bearing.1 Temperature	< 100 °C	<u>73,74</u> °C	**MBA10CT005/010
5	Record	Gas Turbine Thrust Bearing.1 Vibration		<u>-0.05</u> mm/s	**MBA10CG800
6	Record	Gas Turbine Thrust Bearing.1 Temperature	< 100 °C	<u>72,71</u> °C	**MBA10CT015/020
7	Record	Gas Turbine Bearing.2 Vibration	< 7.0 mm/s	<u>2.0</u> mm/s	**MBA10CY805
8	Record	Gas Turbine Bearing.2 Temperature	< 100 °C	<u>72,65</u> °C	**MBA10CT090/095
9	Record	Generator Bearing.1 Vibration & Temperature	< 4.5 mm/s <u>2.7</u> mm/s	< 85 °C <u>69</u> °C	**MKA10CY800/CT005
10	Record	Generator Bearing.2 Vibration & Temperature	< 4.5 mm/s <u>2.7</u> mm/s	< 85 °C <u>73</u> °C	**MKA10CY805/CT010
9	Check	GT Bleed valve no.1 passing	<input checked="" type="checkbox"/> No passing <input type="checkbox"/> Passing		**MBH10AA005
10	Check	GT Bleed valve no.1 passing	<input checked="" type="checkbox"/> No passing <input type="checkbox"/> Passing		**MBH10AA010

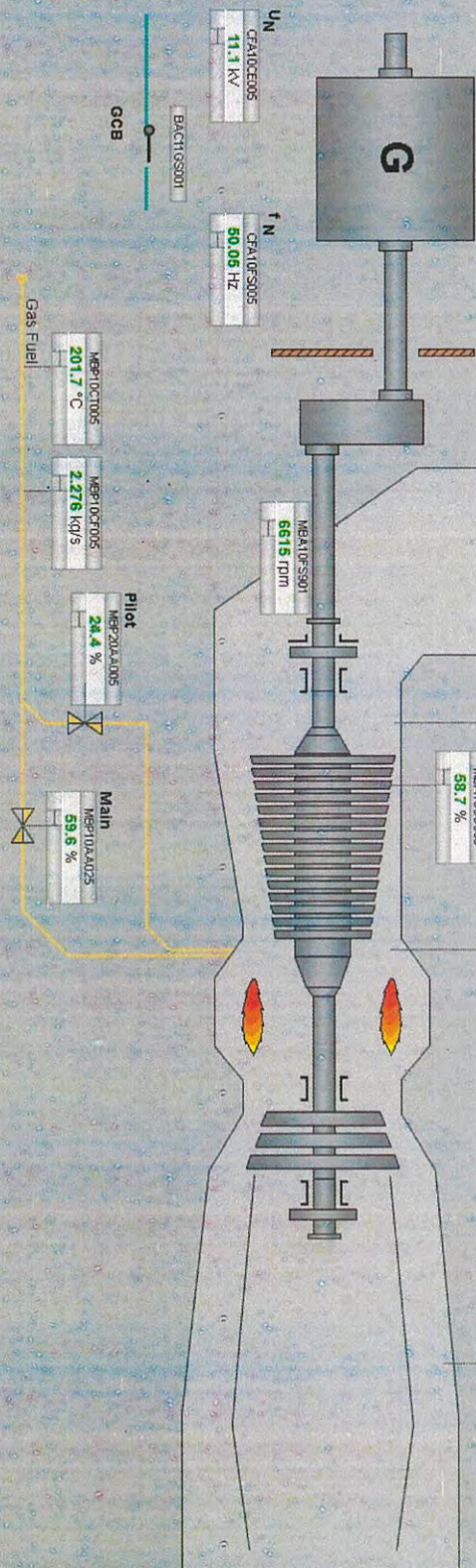
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Amata B.Grimm Power (Rayong) 3 4

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Gas Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4		Location: Gas Turbine	
System : Gas Turbine		Sub-System : Air Intake System	
Plant Unit : <input type="checkbox"/> Amata B.Grimm Power (Rayong) 3		<input type="checkbox"/> Amata B.Grimm Power (Rayong) 4	
Equipment KKS : <input type="checkbox"/> 31MBL <input type="checkbox"/> 32MBL <input type="checkbox"/> 41MBL <input checked="" type="checkbox"/> 42MBL		Equipment Name : <input type="checkbox"/> GT31 Air Intake System <input type="checkbox"/> GT32 Air Intake System <input type="checkbox"/> GT41 Air Intake System <input checked="" type="checkbox"/> GT42 Air Intake System	
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input checked="" type="checkbox"/> Unit Barring speed		PTW Number : <u>QH 5548</u> W/O Number : <u>NK23204.0061</u> Date : <u>24-12-23</u>	

Item	Action	Job Detail	Limit	Data record	Remark
1	Visual Check	Check whether louvers the entry screen is block	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Blocked	
2	Visual Check	Check all visible door sealing	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Damaged	
3	Visual Check	Check all coated surface regard with crack	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Cracked	
4	Record	Diff presssure of Pre-Filter during opt.	< 0.45 kPa	<u>0.13</u> kPa	**MBL10CP005
5	Record	Diff presssure of High Efficiency Filter during opt	< 0.60 kPa	<u>0.16</u> kPa	**MBL30FP925
6	Record	Gas turbine load, MW		<u>38.75</u> MW	Record during opt
7	Check	Check filter loosen bolt and nuts	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Loosen	
8	Check	Duct bin are drained of condensate	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal	
9	Visual check	Check water leak during Evap pump running	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Leaked	
10	Check	Check Evap pump loosen bolt and nuts	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Loosen	

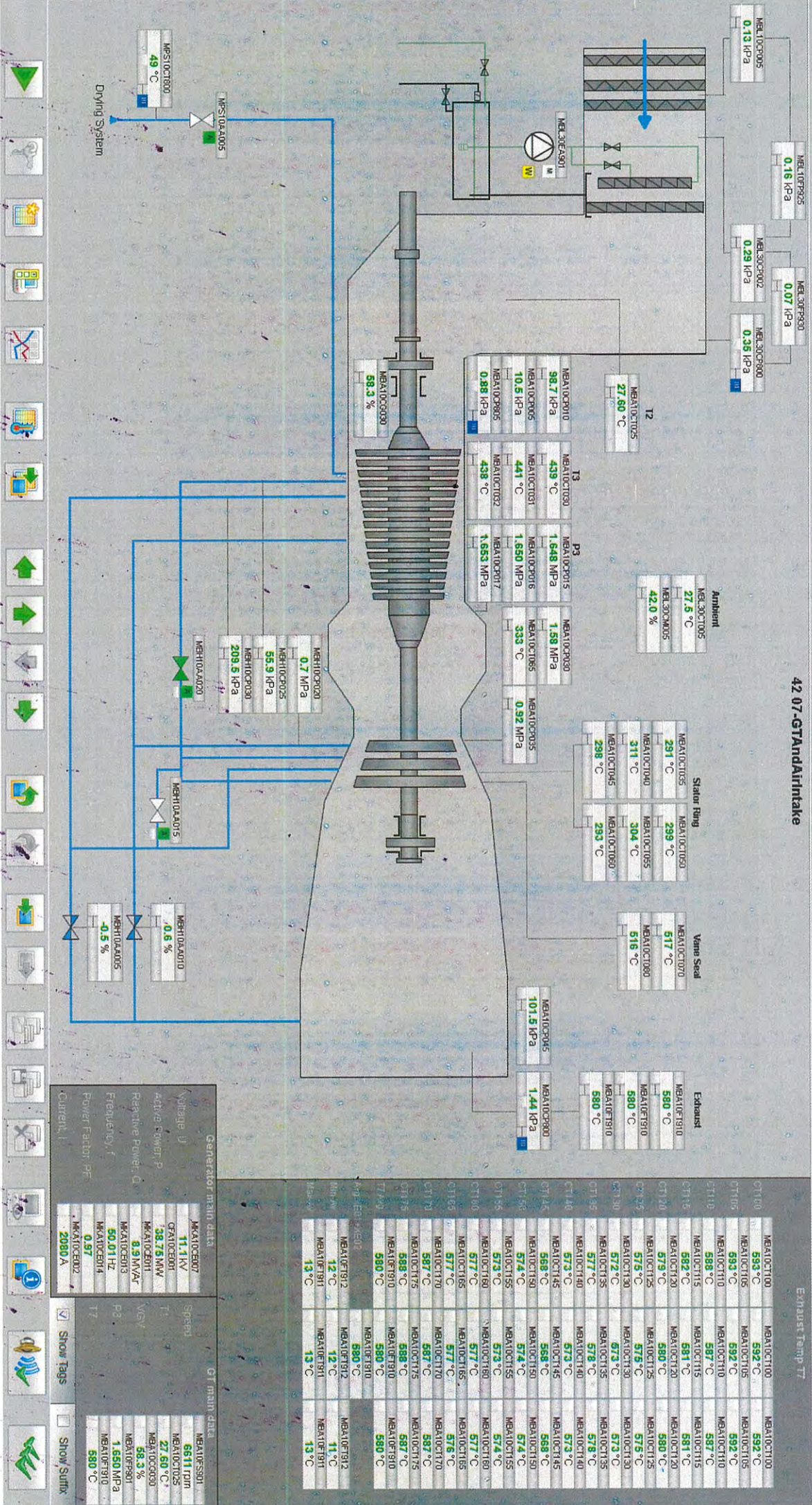
Note : - Primary air system announce the alarm exchange the Pre-filter at 400 Pa/ High efficiency filter at 550 Pa
and Total air intake channal 1200 Pa
- GT inlet air operating temp. range is 10~48.9 °C
- Air flow at 15°C, ISO condition 131 kg/s
During opt: During operating

Checked By : <u>[Signature]</u> Date: <u>22-12-23</u>	Approved By : <u>[Signature]</u> Date: <u>27-12-23</u>
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42-07-GTAndAirIntake





Amata B.Grimm Power (Rayong) 3 4

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Gas Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4		Location: Gas Turbine	
System : Gas Turbine		Sub-System : Fuel Gas System	
Plant Unit : <input type="checkbox"/> Amata B.Grimm Power (Rayong) 3		<input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 4	
Equipment KKS : <input type="checkbox"/> 31MBP <input type="checkbox"/> 32MBP <input type="checkbox"/> 41MBP <input checked="" type="checkbox"/> 42MBP		Equipment Name : <input type="checkbox"/> GT31 Fuel Gas System <input type="checkbox"/> GT32 Fuel Gas System <input type="checkbox"/> GT41 Fuel Gas System <input checked="" type="checkbox"/> GT42 Fuel Gas System	
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input checked="" type="checkbox"/> Unit Barring speed		PTW Number : <u>GW 5548</u> W/O Number : <u>NK 23/104.0061</u> Date : <u>24-12-23</u>	

Item	Action	Job Detail	Data record	Remark
1	Visual check	Check for damages	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Damaged	
2	Record	Fuel gas Y-strainer differential pressure	< 70 kPa <u>26</u> kPa	**MBP10FP915

Note : Check gas leakage with gas detector

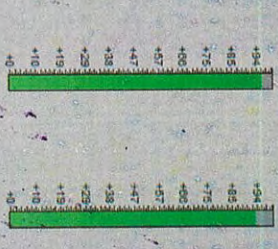
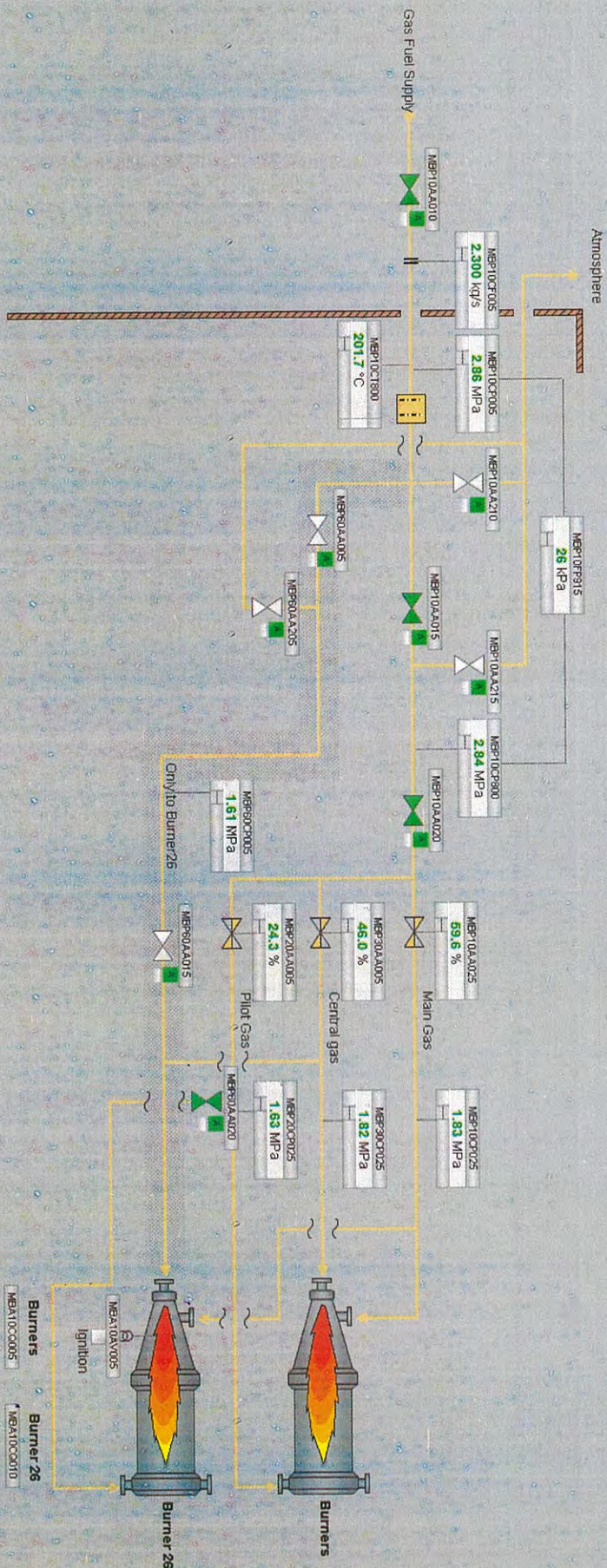
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Date: 27-12-23

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42-05-FuelSystem



FG Gas Fuel MEB10CA010 FG SFC		Pilot Ignition FG MEB10CA010 FG SFC		Gas Fuel Set MEB10CA010 FG SFC	
Energy Flow CE10CF001 103.5 MW		GT main data MEB10CF001 6514 rpm MEB10CF002 27.60 °C MEB10CF003 58.5 % MEB10CF004 1.653 MPa MEB10CF005 579 °C		Generator main data MEB10CF001 11.1 kV CE10CF001 38.59 MW MEB10CF002 8.8 MVA MEB10CF003 50.04 Hz MEB10CF004 0.97 MEB10CF005 2072 A	

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Amata B.Grimm Power (Rayong) 3 4

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Gas Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4		Location: Gas Turbine	
System : Gas Turbine		Sub-System : Gear and Starting System	
Plant Unit : <input type="checkbox"/> Amata B.Grimm Power (Rayong) 3		<input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 4	
Equipment KKS : <input type="checkbox"/> 31MBK <input type="checkbox"/> 32MBK <input type="checkbox"/> 41MBK <input checked="" type="checkbox"/> 42MBK		Equipment Name : <input type="checkbox"/> GT31 Gear and Starting System <input type="checkbox"/> GT32 Gear and Starting System <input type="checkbox"/> GT41 Gear and Starting System <input checked="" type="checkbox"/> GT42 Gear and Starting System	
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input checked="" type="checkbox"/> Unit Barring speed		PTW Number : <u>GH 5548</u> W/O Number : <u>NK 231200.0061</u> Date : <u>24-12-23</u>	

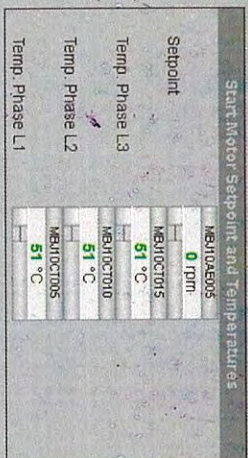
Item	Action	Job Detail	Data record	Data record	Remark
1	Visual check	Conditions around gearbox / backup barring motor	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal	
2	Visual check	Any oil leakage	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Leaked	
3	Check	Loosen of bolt or nut	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Loosen	
4	Record	Vibration values for gear box	< 4.5 mm/s	0.4 mm/s	**MBK10CY030
5	Record	Vibration values for gear box	< 4.5 mm/s	2.3 mm/s	**MBK10CY800
6	Record	Temperature values for bearing	< 100°C	63 °C 65 °C 75 °C 84 °C	MBK10CT005/010/025/030

Note :

- Initial vibration value (reference value on starting up)
- Initial temperature value (reference value on starting up)
- Checking bearing every year if shaft vibrations and or bearing/thrust bearing tempearture rise from nominal values up to 25%
- Lube oil inlet pressure nominal 1.5 bar (alarm low 1.3 bar/ trip 0.8 bar)

Checked By : [Signature]
Date: 27-12-23

Approved By : [Signature]
Date: 27-12-23



GT main data	Speed	YGV	P3	T7
MBAT0F5901	6609 rpm			
MBAT0C0205	27.50 °C			
MBAT0C0930	58.3 %			
MBAT0F3501	1.647 Mfa			
MBAT0F3810	580 °C			

Generator main data	
Model	MGK100C007
Voltage, V	11 kV
Active Power, P	38.66 MW
Reactive Power, Q	8.9 MVar
Frequency, f	50.50 Hz
Power Factor, PF	0.97
Current, I	MGK100C002
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Amata B.Grimm Power (Rayong) 3 4

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Gas Turbine Monthly Inspection Check List

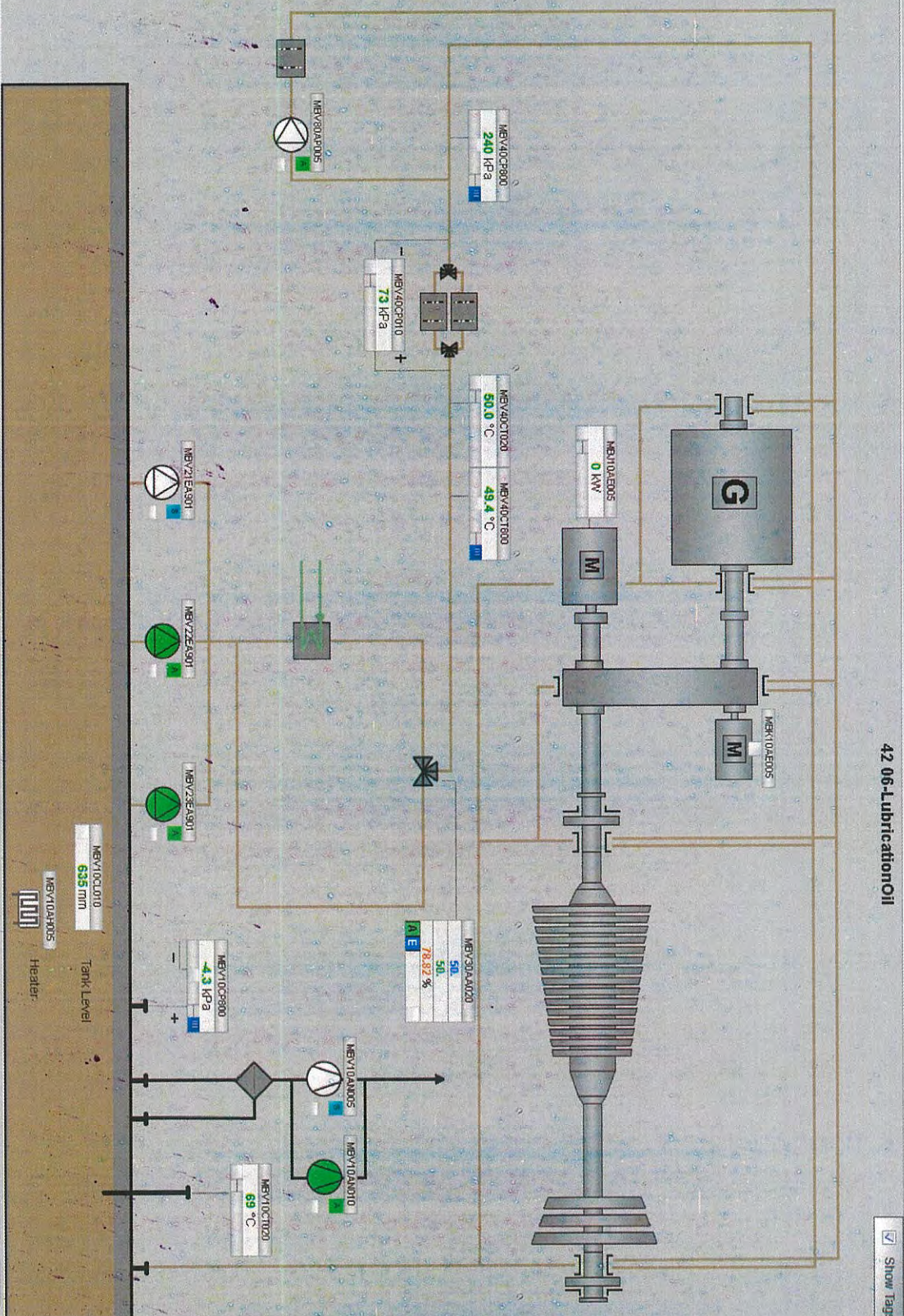
Site : Amata B.Grimm Power (Rayong) 3 4		Location: Gas Turbine	
System : Gas Turbine		Sub-System : Lube Oil System	
Plant Unit : <input type="checkbox"/> Amata B.Grimm Power (Rayong) 3		<input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 4	
Equipment KKS : <input type="checkbox"/> 31MBV <input type="checkbox"/> 32MBV <input type="checkbox"/> 41MBV <input checked="" type="checkbox"/> 42MBV		Equipment Name : <input type="checkbox"/> GT31 Lube Oil System <input type="checkbox"/> GT32 Lube Oil System <input type="checkbox"/> GT41 Lube Oil System <input checked="" type="checkbox"/> GT42 Lube Oil System	
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input checked="" type="checkbox"/> Unit barring speed		PTW Number : <u>GN 5548</u> W/O Number : <u>HY 23204.0061</u> Date : <u>24-12-23</u>	

Item	Action	Job Detail	Limit	Data record	Remark
1	Record	Lube oil tank level	610-680 mm	635 mm	**MBV10CL010
2	Record	Lube oil tank temperature	< 100 °C	69 °C	**MBV10CT010
3	Record	Lube oil pressure	> 140 kPa	240 kPa	**MBV40CP800
4	Record	Lube oil temperature	45 - 50 °C	49.4 °C	**MBV40CT800
5	Visual check	Lube oil leak	<input type="checkbox"/> Normal	<input checked="" type="checkbox"/> Leak	Leak point.
6	Record	Negative pressure in the oil tank		-4.3 kPa	**MBV10CP800
7	Record	Diff pressure of lube oil filter	< 110 kPa	73 kPa	**MBV40CP010
8	Record	Diff pressure of lube oil mist filter	-	0.7 kPa	**MBV10CP010
9	Visual check	Conditions around oil mist step.2 on roof	<input type="checkbox"/> Normal	<input checked="" type="checkbox"/> Found Oil spill	

Note :

Checked By : [Signature]
Date: 27-12-23

Approved By : [Signature]
Date: 27-12-23

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Amata B.Grimm Power (Rayong) 3 4

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Gas Turbine Monthly Inspection Check List

Site : Amata B.Grimm Power (Rayong) 3 4		Location: Gas Turbine	
System : Gas Turbine		Sub-System : Ventilation System	
Plant Unit : <input type="checkbox"/> Amata B.Grimm Power (Rayong) 3		<input type="checkbox"/> Amata B.Grimm Power (Rayong) 4	
Equipment KKS : <input type="checkbox"/> 31MBV <input type="checkbox"/> 32MBV <input type="checkbox"/> 41MBV <input checked="" type="checkbox"/> 42MBV		Equipment Name : <input type="checkbox"/> GT31 Ventilation System <input type="checkbox"/> GT32 Ventilation System <input type="checkbox"/> GT41 Ventilation System <input checked="" type="checkbox"/> GT42 Ventilation System	
Preventive Maintenance System Operation Request <input checked="" type="checkbox"/> Unit operating <input checked="" type="checkbox"/> Unit barring speed		PTW Number : <u>GW 5549</u> W/O Number : <u>NK 231204.0061</u> Date : <u>24-12-23</u>	

Item	Action	Job Detail	Limit	Data record	Remark
1	Visual Check	Check whether louvers dirty	<input type="checkbox"/> Clean	<input checked="" type="checkbox"/> Dirt	
2	Visual Check	Check ventilation filter conditions	<input type="checkbox"/> Clean	<input checked="" type="checkbox"/> Dirt	
3	Visual Check	Check all visible door sealing	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Damaged	
4	Record	Record differential perssure GT enclosure	> 0.25 kPa	<u>0.17</u> kPa	**SAG10CP005
5	Check	Check filter loosen bolt and nuts	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Loosen	
6	Cleaning	Cleaning inside ventilation room	<input checked="" type="checkbox"/> Clean up		

Note :

Checked By : [Signature]

Date: 27-12-23

Approved By : [Signature]

Date: 27-12-23



Ventilation system

SG10CEA301

FG

GT Room Vent

Fire system

Warning

SSU10EG6005

TRIP

SSU10EG6015

Equipment Fail

SSU10EG6025

CO2 Enabled

SSU10EG6020

CO2 Released

SSU10EG6030

GT main data

Speed

MG10DF901

6508 rpm

T1

MG10CI0025

27.50 °C

MGW

MG10DC0030

58.4 %

P3

MG10DF901

1.647 MPa

T7

MG10CF1910

550 °C

Generator main data

Voltage U

MGK10CE007

11.1 kV

Active Power P

CGK10CE001

38.74 MW

Reactive Power Q

MGK10CE001

8.8 MVar

Frequency f

MGK10CE003

49.99 Hz

Power Factor PF

MGK10CE004

0.97

Current I

MGK10CE002

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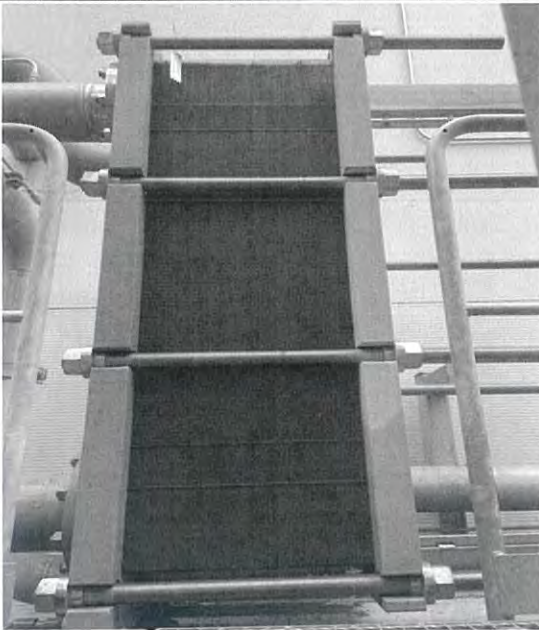
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Gas Turbine Lube oil Plate Heat Exchanger Inspection

Site : Amata B.Grimm Power (Rayong) 3 4		Location: Gas Turbine	
System : Gas Turbine		Sub-System : Lube oil System	
Plant Unit : <input type="checkbox"/> Amata B.Grimm Power (Rayong) 3		<input checked="" type="checkbox"/> Amata B.Grimm Power (Rayong) 4	
Equipment KKS : <input type="checkbox"/> 31MBV30AC005 <input type="checkbox"/> 32MBV30AC005 <input type="checkbox"/> 41MBV30AC005 <input checked="" type="checkbox"/> 42MBV30AC005		Equipment Name : <input type="checkbox"/> GT31 Plate Heat Exchanger <input type="checkbox"/> GT32 Plate Heat Exchanger <input type="checkbox"/> GT41 Plate Heat Exchanger <input checked="" type="checkbox"/> GT42 Plate Heat Exchanger	

Front view



Rear view



Checked By :

[Signature]

Date:

27-12-23

Approved By :

[Signature]

Date:

27-12-23