

ภาคผนวก ข-7

แผนการบำรุงรักษาเชิงป้องกัน (Preventive Maintenance Plan)

S and L Specialty Polymers Co.,Ltd				Equipment PM plan of 2022 (0.25year=3mth, 0.33year=4mth, 0.50year=6mth)				* by SandL * by Maker		Plan year: 2022 Revision: 00 (05-05-2022)		Approved by																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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NO.	Equipment	Tag No.	P&ID No.	Name	Type/Model	Detail	Period (year)	Last service (year)	Next service (year)													Jan.	Feb.	Mar.	Apr.	May	Jun	July	Aug.	Sep.	Oct.	Nov.	Dec.																								
		P12-2-A				Change oil bearing	1.00	Nov-21	2022																									*																							
		P12-2-A				Impeller Casing 11/80 HPPT test	5.00	2021	2026																									*																							
		P12-2-A				Change mechanical seal	5.00	2021	2026																									*																							
		P12-2-A				Over haul pump	5.00	2021	2026																																																
7	Pump	P13-1-W	1016	Washed Slurry Discharge Pump (1)	Centrifugal Slurry pump	inspection coupling	2.00	2020	2022																									*																							
		P13-1-W				check vibration	1.00	2021	2022																									*																							
		P13-1-W				recheck alignment	2.00	2020	2022																									*																							
		P13-1-W				Cleaning Y-staner mechanical seal	0.25	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*																														
		P13-1-W				Change oil bearing	1.00	Nov-21	2022																								*																								
		P13-1-W				Over haul pump	6.00	2020	2026																																																
8	Pump	P13-2-W	1016	Washed Slurry Discharge Pump (2)	Centrifugal Slurry pump	inspection coupling	2.00	2020	2022																									*																							
		P13-2-W				check vibration	1.00	2021	2022																									*																							
		P13-2-W				recheck alignment	2.00	2020	2022																									*																							
		P13-2-W				Cleaning Y-staner mechanical seal	0.25	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*																															
		P13-2-W				Change oil bearing	1.00	Nov-21	2022																								*																								
		P13-2-W				Over haul pump	6.00	2016	2022																																																
9	Pump	P13-3-W	1016	Washed Slurry Discharge Pump (3)	Centrifugal Slurry pump	inspection coupling	2.00	2020	2022																									*																							
		P13-3-W				check vibration	1.00	2021	2022																									*																							
		P13-3-W				recheck alignment	2.00	2020	2022																									*																							
		P13-3-W				Cleaning Y-staner mechanical seal	0.25	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*																															
		P13-3-W				Change oil bearing	1.00	Nov-21	2022																								*																								
		P13-3-W				Over haul pump	6.00	2017	2023																																																

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NO.	Equipment	Tag No.	P&ID No.	Name	Type/Model	Detail	Period (year)	Last service (year)	Next service (year)	Year 2022											
										Jan.	Feb.	Mar.	Apr.	May	Jun	July	Aug.	Sep.	Oct.	Nov.	Dec.
10	Pump	P14-1-N	1022	Waste Water Cushion Tank Discharge Pump (1)	Centrifugal pump	inspection coupling	3.00	2019	2022												
		P14-1-N				Check temp pump and motor	0.25	2021	2022	*				*			*			*	
		P14-1-N				recheck alignment	3.00	2019	2022												
		P14-1-N				Change oil bearing	1.00	Nov-21	2022												*
		P14-1-N				Over haul pump	6.00	2019	2025												*
11	Pump	P14-2-N	1022	Waste Water Cushion Tank Discharge Pump (2)	Centrifugal pump	inspection coupling	3.00	2019	2022												
		P14-2-N				Check temp pump and motor	0.25	2021	2022	*				*			*			*	
		P14-2-N				recheck alignment	3.00	2019	2022												
		P14-2-N				Change oil bearing	1.00	Nov-21	2022												*
		P14-2-N				Over haul pump	6.00	2018	2024												
12	Pump	P15-1-D	1017A	Slurry Pump for Drying (1)	Centrifugal Slurry pump	inspection coupling	2.00	2020	2022												
		P15-1-D				Check temp pump and motor	0.25	2021	2022	*			*			*		*		*	
		P15-1-D				check vibration	1.00	2021	2022												*
		P15-1-D				recheck alignment	2.00	2020	2022												
		P15-1-D				Cleaning Y-staner mechanical seal	0.50	2021	2022	*			*			*		*		*	
		P15-1-D				Change oil bearing	1.00	Nov-21	2022											*	
		P15-1-D				Over haul pump	5.00	2020	2025												
13	Pump	P15-2-D	1018A	Slurry Pump for Drying (2)	Centrifugal Slurry pump	inspection coupling	2.00	2020	2022												
		P15-2-D				Check temp pump and motor	0.25	2021	2022	*			*			*		*		*	
		P15-2-D				check vibration	1.00	2021	2022												*
		P15-2-D				recheck alignment	2.00	2020	2022												
		P15-2-D				Cleaning Y-staner mechanical seal	0.50	2021	2022	*			*			*		*		*	
		P15-2-D				Change oil bearing	1.00	Nov-21	2022											*	
		P15-2-D				Over haul pump	5.00	2017	2022												

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										05 MAY 2022											
14	Pump	P22-A	1020	HCl Drain Transport Pump	Air Diaphragm Pump	Inspection check	3.00	Nov-21	2024												*
		P22-A				Over haul pump	10.00	New 2019	2029												
15	Pump	P23-A	1021	NaOH Dil. & Stor. Tank Discharge Pump	Canned pump	Change oil bearing	1.00	Nov-21	2022												*
		P23-A				Check temp pump and motor	0.50	2021	2022					*							*
		P23-A				Over haul pump	6.00	Nov-21	2027												
16	Pump	P24-1-A	1021	NaOH Circulation Pump (1)	Magnet pump	inspection coupling	3.00	2019	2022												*
		P24-1-A				Check temp pump and motor	0.50	2020	2022					*							*
		P24-1-A				recheck alignment	3.00	2019	2022												*
		P24-1-A				Over haul pump change can, Drive Rotor	6.00	2019	2025												
17	Pump	P24-2-A	1021	NaOH Circulation Pump (2)	Magnet pump	inspection coupling	3.00	2019	2022												*
		P24-2-A				Check temp pump and motor	0.50	2021	2022					*							*
		P24-2-A				recheck alignment	3.00	2019	2022												*
		P24-2-A				Over haul pump change can, Drive Rotor	6.00	2022	2028												
18	Pump	P25-A	1021	Waste NaOH Transport Pump	Magnet pump	inspection coupling	3.00	2020	2023												*
		P25-A				Check temp pump and motor	0.50	2021	2022					*							
		P25-A				recheck alignment	3.00	2020	2023												
		P25-A				Over haul pump change can, Drive Rotor	10.00	2020	2030												
19	Pump	P26-N	1023A	Neutralized Waste NaOH Transport Pump	Magnet pump	inspection coupling	3.00	2019	2023												

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23		Pump	P35-2-A	1013	SQ Agent Service Pump (2)	Double Diaphragm Non Seal Pump	Over haul pump	10.00	2015	2025													
			P35-2-A				Check temp pump and motor	0.50	2021	2022				*								*	
			P35-2-A				Change oil bearing	1.00	Nov-21	2022											*		
			P35-2-A				Change diaphragm	5.00	2020	2025													
			P35-2-A				General Inspection	1.00	2021	2022											*		
			P35-2-A				Change oil seal piston rod	5.00	2021	2026											*		
			P35-2-A				Change O-ring set	5.00	2021	2026											*		
24		Pump	P35-3-A	1013	SQ Agent Service Pump (3)	Double Diaphragm Non Seal Pump	Over haul pump	10.00	2015	2025						*						*	
			P35-3-A				Check temp pump and motor	0.50	2021	2022						*						*	
			P35-3-A				Change oil bearing	1.00	Nov-21	2022											*		
			P35-3-A				Change diaphragm	5.00	2020	2025												*	
			P35-3-A				General Inspection	1.00	2021	2022											*		
			P35-3-A				Change oil seal piston rod	5.00	2021	2026											*		
			P35-3-A				Change O-ring set	5.00	2021	2026											*		
25		Pump	P35-4-A	1013	SQ Agent Service Pump (4)	Double Diaphragm Non Seal Pump	Over haul pump	10.00	2015	2025							*					*	
			P35-4-A				Check temp pump and motor	0.50	2021	2022						*						*	
			P35-4-A				Change oil bearing	1.00	Nov-21	2022											*		
			P35-4-A				Change diaphragm	5.00	2020	2025												*	
			P35-4-A				General Inspection	1.00	2021	2022											*		
			P35-4-A				Change oil seal piston rod	5.00	2021	2026											*		
			P35-4-A				Change O-ring set	5.00	2021	2026											*		
26		Pump	P35-5-A	1013	SQ Agent Service Pump (5)	Double Diaphragm Non Seal Pump	Over haul pump	10.00	2015	2025												*	
			P35-5-A				Check temp pump and motor	0.50	2021	2022						*						*	
			P35-5-A				Change oil bearing	1.00	Nov-21	2022											*		

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						Change O-ring set	5.00	2021	2026												*								
30	Pump	P36-1-A	1013	BQ Agent Service Pump (1)	Double Diaphragm Non Seal Pump	Over haul pump	10.00	2015	2025																				
		P36-1-A				Check temp pump and motor	0.50	2021	2022					*							*								
		P36-1-A				Change oil bearing	1.00	Nov-21	2022												*								
		P36-1-A				Change diaphragm	6.00	2015	2025																				
		P36-1-A				General Inspection	1.00	2020	2022												*								
		P36-1-A				Change oil seal piston rod	5.00	Nov-21	2027												*								
		P36-1-A				Change O-ring set	5.00	Nov-21	2026												*								
31	Pump	P36-2-A	1013	BQ Agent Service Pump (2)	Double Diaphragm Non Seal Pump	Over haul pump	10.00	2015	2025																				
		P36-2-A				Check temp pump and motor	0.50	2021	2022					*							*								
		P36-2-A				Change oil bearing	1.00	Nov-21	2022												*								
		P36-2-A				Change diaphragm	6.00	2015	2025																				
		P36-2-A				General Inspection	1.00	2021	2022												*								
		P36-2-A				Change oil seal piston rod	6.00	Nov-21	2027												*								
		P36-2-A				Change O-ring set	5.00	Nov-21	2026												*								
32	Pump	P37-1-A	1014	Sodium Sulfite Service Pump (1)	Snake pump	Inspection rotor, stator	6.00	2017	2023																				
		P37-1-A				Check temp pump and motor	0.50	2021	2022					*							*								
		P37-1-A				Over haul pump	10.00	2015	2025																				
33	Pump	P37-2-A	1014	Sodium Sulfite Service Pump (2)	Snake pump	Inspection rotor, stator	6.00	2017	2023																				
		P37-2-A				Check temp pump and motor	0.50	2021	2022					*							*								
		P37-2-A				Over haul pump	10.00	2015	2025																				

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34	Pump		P38-A	1013	SQ Agent Transport Pump	Centrifugal pump	inspection coupling	3.00	2019	2022										
			P38-A				Check temp pump and motor	0.50	2021	2022				*						*
			P38-A				Over haul pump	6.00	2020	2026										
			P38-A				Change oil bearing	1.00	Nov-21	2022										*
			P38-A				recheck alignment	6.00	2019	2025										*
35	Pump		P39-A	1013	BQ Agent Transport Pump	Cascade pump	inspection coupling	3.00	2019	2022										*
			P39-A				Check temp pump and motor	0.50	2020	2021				*						*
			P39-A				recheck alignment	3.00	2019	2022										
			P39-A				Over haul pump	6.00	Nov-21	2027										
36	Pump		P40-A	1014	Sodium Sulfite Transport Pump	Magnet Non Seal pump	inspection coupling	3.00	2019	2022										*
			P40-A				Check temp pump and motor	0.50	2021	2022				*						*
			P40-A				Change oil bearing	1.00	Nov-21	2022										*
			P40-A				Over haul pump change can, Drive Rotor	6.00	2021	2027										*
37	Pump		P41-1-A	1005	Warm Water Pump (1)	Centrifugal pump	inspection coupling	2.00	2020	2022										*
			P41-1-A				Check temp pump and motor	0.25	2021	2022			*		*					*
			P41-1-A				check vibration	1.00	2021	2022										*
			P41-1-A				recheck alignment	2.00	2020	2022										*
			P41-1-A				Change oil bearing	1.00	Nov-21	2022										*
			P41-1-A				Over haul pump	6.00	2019	2025										*
38	Pump		P41-2-A	1006	Warm Water Pump (2)	Centrifugal pump	inspection coupling	2.00	2020	2022										*
			P41-2-A				Check temp pump and motor	0.25	2021	2022			*		*					*

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46	Pump	P42-2-W	1028	Centrifugal pump	Centrifugal pump	inspection coupling	2.00	2020	2022												
		P42-2-W				Check temp pump and motor	0.25	2021	2022	*		*				*			*		
		P42-2-W				check vibration	1.00	2021	2022											*	
		P42-2-W				recheck alignment	2.00	2020	2022											*	
		P42-2-W				Change oil bearing	1.00	Nov-21	2022											*	
		P42-2-W				Over haul pump	6.00	Nov-19	2025												
47	Pump	P42-3-W	1028	Centrifugal pump	Centrifugal pump	inspection coupling	2.00	2020	2022											*	
		P42-3-W				Check temp pump and motor	0.25	2021	2022	*		*				*			*		
		P42-3-W				check vibration	1.00	2021	2022											*	
		P42-3-W				recheck alignment	2.00	2020	2022											*	
		P42-3-W				Change oil bearing	1.00	Nov-21	2022											*	
		P42-3-W				Over haul pump	6.00	Nov-19	2025												
48	Pump	P42-4-W	1028	Centrifugal pump	Centrifugal pump	inspection coupling	2.00	2020	2022											*	
		P42-4-W				Check temp pump and motor	0.25	2021	2022	*		*				*			*		
		P42-4-W				check vibration	1.00	2021	2022											*	
		P42-4-W				recheck alignment	2.00	2020	2022											*	
		P42-4-W				Change oil bearing	1.00	Nov-21	2022											*	
		P42-4-W				Over haul pump	6.00	Aug-19	2025											*	
49	Pump	P43-A	1013	Air Diaphragm Pump	Air Diaphragm Pump	Inspection diaphragm	6.00	2021	2027												
		P43-A				Over haul pump	10.00	2015	2025												

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70	Pump	P81-2-N	1022	HCl Neutralization Circulation Pump (2)	Centrifugal pump	inspection coupling	3.00	2019	2022												
		P81-2-N				Check temp pump and motor	0.25	2021	2022	*				*					*		
		P81-2-N				recheck alignment	3.00	2019	2022											*	
		P81-2-N				Change oil bearing	1.00	Nov-21	2022											*	
		P81-2-N				Over haul pump	5.00	2020	2025												
71	Pump	P83-N	1023A	HCl Storage Tank Discharge Pump	Centrifugal pump	inspection coupling	3.00	2019	2022											*	
		P83-N				recheck alignment	3.00	2019	2022											*	
		P83-N				Change oil bearing	1.00	Nov-21	2022											*	
		P83-N				Over haul pump	5.00	2020	2025												
72	Pump	P85-N	1023A	pH Adjustment Pump (HCl)	Magnet pump	inspection coupling	3.00	2019	2022											*	
		P85-N				Check temp pump and motor	0.50	2021	2022	*						*					
		P85-N				recheck alignment	3.00	2019	2022											*	
		P85-N				Over haul pump change can. Drive Rotor	10.00	2015	2025												
73	Pump	P86-A	1021	pH Adjustment Pump (NaOH)	Canned pump	inspection coupling	3.00	2019	2022											*	
		P86-A				Check temp pump and motor	0.50	2021	2022	*						*					
		P86-A				recheck alignment	3.00	2019	2022											*	
		P86-A				Over haul pump	10.00	2015	2025												
74	Pump	P87-1-N	1023A	Waste Water Transport Pump (High TDS)	Magnet pump	inspection coupling	3.00	2019	2022											*	
		P87-1-N				Check temp pump and motor	0.50	2021	2022	*						*					
		P87-1-N				recheck alignment	3.00	2019	2022											*	

S and L Specialty Polymers Co.,Ltd			Equipment PM plan of 2022 (0.25year=3mth, 0.33year=4mth, 0.50year=6mth)				* by SandL * by Maker		Plan year : 2022	Revision: 00 (05-05-2022)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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										Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
96	blower	B53-P	1002	Blower for PVC Loading	Centrifugal Fan	General inspection	0.25	2021	2022	*		*	*	*					*		
		B53-P				Check temp pump and motor	0.25	2021	2022	*		*	*	*					*		
		B53-P				Overhaul blower	6.00	2020	2026												
97	blower	B11-1-A	1022	Elimination Blower (1)	Turbo blower	inspection Pulley	0.50	2021	2022			*	*	*						*	
		B11-1-A				Check temp pump and motor	0.25	2021	2022	*		*	*	*					*		
		B11-1-A				Grease up bearing	0.25	2021	2022	*		*	*	*					*		
		B11-1-A				Change v-belt	0.50	2021	2022			*	*	*						*	
		B11-1-A				Cleaning Impeller	0.08	2021	2022	*		*	*	*					*		
		B11-1-A				Overhaul blower	6.00	2020	2026												
98	blower	B11-2-A	1022	Elimination Blower (2)	Turbo blower	inspection Pulley	0.50	2021	2022			*	*	*						*	
		B11-2-A				Check temp pump and motor	0.25	2021	2022	*		*	*	*					*		
		B11-2-A				Grease up bearing	0.25	2021	2022	*		*	*	*					*		
		B11-2-A				Change v-belt	0.50	2021	2022			*	*	*					*		
		B11-2-A				Cleaning Impeller	0.08	2021	2022	*		*	*	*					*		
		B11-2-A				Overhaul blower	6.00	2020	2026												
99	blower	B15-1-D	1017B	Drying Air Supply Blower (1)	Turbo Blower	Inspection impeller & casing	3.00	2020	2023										*		
		B15-1-D				Change oil bearing	1.00	Nov-20	2022										*		
		B15-1-D				Change rubber coupling bolt	2.00	Nov-20	2022										*		
		B15-1-D				Overhaul blower	6.00	Nov-21	2027												
100	blower	B15-2-D	1018B	Drying Air Supply Blower (2)	Turbo Blower	Inspection impeller & casing	3.00	2020	2023												

S and L Specialty Polymers Co.,Ltd				Equipment PM plan of 2022 (0.25year=3mth, 0.33year=4mth, 0.50year=6mth)				* by SandL * by Maker		Plan year : 2022		Prepared by  Review by  Approved by 											
NO.	Equipment	Tag No.	P&ID No.	Name	Type/Model	Detail	Period (year)	Last service (year)	Next service (year)	Year 2022													
										Jan.	Feb.	Mar.	Apr.	May	Jun	July	Aug.	Sep.	Oct.	Nov.	Dec.		
										05 MAY 2022													
		B17-2-D				Overhaul blower	6.00	2015	2022											*			
105	Vacuum Pump	B21-1-A	1020	Water Seal Vacuum Pump (1)	Liquid Ring Vacuum Pump	Inspection	6.00	2018	2024														
		B21-1-A				Overhaul pump	6.00	2018	2024														
106	Vacuum Pump	B21-2-A	1020	Water Seal Vacuum Pump (2)	Liquid Ring Vacuum Pump	Inspection	6.00	2019	2025											*			
		B21-2-A				Overhaul pump	6.00	2019	2025														
107	blower	B27-N	1021	Tank Agitation Blower	Roots blower	recheck alignment and check tensionbelt	1.00	2021	2022											*			
		B27-N				Inspection run out and pulley	1.00	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*		
		B27-N				Change v-belt	1.00	2021	2022											*			
		B27-N				Change oil gear	1.00	2021	2022											*			
		B27-N				Check temp pump and motor	0.25	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*		
		B27-N				Grease up bearing	0.25	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*		
		B27-N				Overhaul blower	10.00	2015	2025														
108	blower	B31-1-P	1004	PVC Transport Blower (1)	Roots Blower	recheck alignment and check tensionbelt	0.50	2021	2022				*							*			
		B31-1-P				inspection Pulley	1.00	2021	2022											*			
		B31-1-P				Change v-belt	1.00	2021	2022											*			
		B31-1-P				Change oil gear	1.00	2021	2022											*			
		B31-1-P				Overhaul blower	2.00	2020	2022											*			
109	blower	B31-2-P	1004	PVC Transport Blower (2)	Roots Blower	recheck alignment and check tensionbelt	0.50	2021	2022				*							*			
		B31-2-P				inspection Pulley	1.00	2021	2022											*			
		B31-2-P				Change v-belt	1.00	2021	2022											*			

S and L Specialty Polymers Co.,Ltd				Equipment PM plan of 2022 (0.25year=3mth, 0.33year=4mth, 0.50year=6mth)				* by SandL * by Maker		Plan year :2022 Revision: 00 (05-05-2022)		Preparation by /		Review by /		Approved by /					
NO.	Equipment	Tag No.	P&ID No.	Name	Type/Model	Detail	Period (year)	Last service (year)	Next service (year)	Year 2022											
										Jan.	Feb.	Mar.	Apr.	May	Jun	July	Aug.	Sep.	Oct.	Nov.	Dec
		B31-2-P				Change oil gear	1.00	2021	2022											*	
		B31-2-P				Overhaul blower	2.00	Nov-21	2023											*	
110	Washing Tower	C12-1-W	1016	Washing Tower (1)	Top: 10%SD, Bottom: 10%SD	Recheck torque bolt flange top and bottom	1M	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*
		C12-1-W				Change gasket and fiter cloth	3M	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*
111	Washing Tower	C12-2-W	1016	Washing Tower (2)	Top: 10%SD, Bottom: 10%SD	Recheck torque bolt flange top and bottom	1M	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*
		C12-2-W				Change gasket and fiter cloth	3M	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*
112	Washing Tower	C12-3-W	1016	Washing Tower (3)	Top: 10%SD, Bottom: 10%SD	Recheck torque bolt flange top and bottom	1M	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*
		C12-3-W				Change gasket and fiter cloth	3M	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*
113	Washing Tower	C12-4-W	1016	Washing Tower (4)	Top: 10%SD, Bottom: 10%SD	Recheck torque bolt flange top and bottom	1M	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*
		C12-4-W				Change gasket and fiter cloth	3M	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*
114	Rotary Valve	KRI6-1-D	1017B	Cyclone Discharge Rotary Valve	TBC	Inspection	2.00	2020	2022											*	
		KRI6-1-D				Overhaul	10.00	2017	2027												
		KRI6-1-D				Refill greasing chain	1.00	2021	2022											*	
		KRI6-1-D				Grease up bearing	0.25	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*
		KRI6-1-D				Change sight glass	1.00	2021	2022											*	
115	Rotary Valve	KRI6-2-D	1017B	Dryer Discharge Rotary Valve	TBC	Inspection	2.00	2020	2022											*	
		KRI6-2-D				Overhaul	10.00	2015	2025												*
		KRI6-2-D				Refill greasing chain	1.00	2021	2022												*

S and L Specialty Polymers Co.,Ltd				Equipment PM plan of 2022				* by SandL * by Maker		Plan year : 2022		Approved by											
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						Grease up bearing	0.25	2021	2022	*			*				*			*			
						Change sight glass	1.00	2021	2022											*			
116	Rotary Valve	KR16-3-D	1018B	Cyclone Discharge Rotary Valve	TBC	Inspection	2.00	2020	2022											*			
						Overhaul	10.00	2015	2025														
						Refill greasing chain	1.00	2021	2022											*			
						Grease up bearing	0.25	2021	2022	*			*				*			*			
						Change sight glass	1.00	2021	2022											*			
117	Rotary Valve	KR16-4-D	1018B	Dryer Discharge Rotary Valve	TBC	Inspection	2.00	2020	2022											*			
						Overhaul	10.00	2015	2025														
						Refill greasing chain	1.00	2021	2022											*			
						Grease up bearing	0.25	2021	2022	*			*				*			*			
						Change sight glass	1.00	2021	2022											*			
118	Rotary Valve	KR17-1-D	1017C	Rotary Valve (1)	TBC	Inspection	2.00	2020	2022											*			
						Overhaul	10.00	2017	2027														
						Refill greasing chain	1.00	2021	2022											*			
						Grease up bearing	0.25	2021	2022	*			*				*			*			
119	Rotary Valve	KR17-2-D	1018C	Rotary Valve (2)	TBC	Inspection	2.00	2020	2022											*			
						Overhaul	10.00	2018	2028														
						Refill greasing chain	1.00	2021	2022											*			
						Grease up bearing	0.25	2021	2022	*			*				*			*			

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120	Tubular Conveyor	KR56-D	1019	Tubular Conveyor	Tubular Conveyor	Dis-assembly for Cleaning	1.00	2021	2022																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														</

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05 MAY 2022																					
123	Decanter	S11-3-D	1018A	Decanter (3)	(28.6 % slurry)	Check torque switch	6M	2021	2022					*						*	
		S11-3-D				Check temp decanter and motor	3M	2021	2022		*			*						*	
		S11-3-D				recheck alignment and check tensionbelt	6M	2021	2022					*						*	
		S11-3-D				inspection Pulley	6M	2021	2022					*						*	
		S11-3-D				check vibration	3M	2021	2022		*			*						*	
		S11-3-D				Grease up bearing and drain grease	6M	2021	2022					*						*	
		S11-3-D				Grease Analysis	6M	2021	2022					*						*	
		S11-3-D				Change new v-belt	1Y	2021	2022											*	
		S11-3-D				Inspection surface outside bowl,screw,feed tube	3Y	2018	2022											*	
		S11-3-D				Overhaul decantor	3Y	2018	2022											*	
		S11-3-D				Overhaul gear box	3Y	2018	2022											*	
124	Decanter	S11-4-D	1018A	Decanter (4)	(28.6 % slurry)	Check torque switch	6M	2021	2022					*						*	
		S11-4-D				Check temp decanter and motor	3M	2021	2022		*			*						*	
		S11-4-D				recheck alignment and check tensionbelt	6M	2021	2022					*						*	
		S11-4-D				inspection Pulley	6M	2021	2022					*						*	
		S11-4-D				check vibration	3M	2021	2022		*			*						*	
		S11-4-D				Grease up bearing and drain grease	6M	2021	2022					*						*	
		S11-4-D				Grease Analysis	6M	2021	2022					*						*	
		S11-4-D				Change new v-belt	1Y	2021	2022											*	
		S11-4-D				Inspection surface outside bowl,screw,feed tube	3Y	2018	2022											*	
		S11-4-D				Overhaul decantor	3Y	2018	2022											*	
		S11-4-D				Overhaul gear box	3Y	2018	2022											*	
125	Vibration Sifter	S17-1-D	1017C	Vibration Sifter (1)	Vibration Sifter	Grease up bearing	0.25	2021	2022		*			*						*	
		S17-1-D				Inspection spring	1.00	2021	2022											*	
		S17-1-D				Inspection Casing & body	1.00	2021	2022											*	

S and L Specialty Polymers Co.,Ltd				Equipment PM plan of 2022				* by SandL * by Maker		Plan year: 2022																							
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										Jan.		Feb.		Mar.		Apr.		May		Jun		Jul		Aug.		Sep.		Oct.		Nov.		Dec.	
NO.	Equipment	Tag No.	P&ID No.	Name	Type/Model	Detail	Period (year)	Last service (year)	Next service (year)																								
126	Vibration Sifter	S17-2-D	1017C	Vibration Sifter (2)	Vibration Sifter	Grease up bearing	0.25	2021	2022				*	*																			
		S17-2-D				Inspection spring	1.00	2021	2022																					*	*		
		S17-2-D				Inspection Casing & body	1.00	2021	2022																					*	*		
127	Vibration Sifter	S17-3-D	1018C	Vibration Sifter (3)	Vibration Sifter	Grease up bearing	0.25	2021	2022				*	*																*	*		
		S17-3-D				Inspection spring	1.00	2021	2022																					*	*		
		S17-3-D				Inspection Casing & body	1.00	2021	2022																					*	*		
128	Vibration Sifter	S17-4-D	1018C	Vibration Sifter (4)	Vibration Sifter	Grease up bearing	0.25	2021	2022				*	*																*	*		
		S17-4-D				Inspection spring	1.00	2021	2022																					*	*		
		S17-4-D				Inspection Casing & body	1.00	2021	2022																					*	*		
129	Agitator	Z11-1-A	1005	Reactor Agitator (1)	3-paddles, 1-impeller	Inspection check run out	1.00	Nov-21	2022																					*	*		
		Z11-1-A				Inspection check vertical	1.00	Nov-21	2022																					*	*		
		Z11-1-A				Inspection stethoscope gear motor-bearing	0.08	2021	2022				*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
		Z11-1-A				Disassembly and inspection oil seal	12.00	2015	2027																								
		Z11-1-A				Change oil gear	0.25	Nov-21	2022				*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
		Z11-1-A				Grease up bearing	0.25	Nov-21	2022				*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
		Z11-1-A				Retiten lock nut lock washer M/S	0.50	Nov-21	2022																					*	*	*	*
		Z11-1-A				Change gasket Baffle (left side)	1.50	29/10/2021	00/04/2023																								
		Z11-1-A				Change gasket Baffle (right side)	1.50	29/10/2021	00/04/2024																								
		Z11-1-A				Change gasket Manhold (frist flange)	1.50	29/10/2021	00/04/2025																								
		Z11-1-A				Change gasket Mech box	2.00	5/10/2021	00/04/2023																								
		Z11-1-A				Change Mech.seal	2.00	5/10/2021	00/04/2023																								
		Z11-1-A				Overhaul Gear cyclone drive	10.00	Nov-19	2029																								
		Z11-1-A				Visual gasket baffle,manhole,MS,holding ring	1 week	2021	2022				*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

S and L Specialty Polymers Co.,Ltd				Equipment PM plan of 2022				* by SandL * by Maker		Plan year : 2022											
				(0.25year=3mth, 0.33year=4mth, 0.50year=6mth)				Revision: 00 (05-05-2022)		Approved by											
NO.	Equipment	Tag No.	P&ID No.	Name	Type/Model	Detail	Period (year)	Preparation by		Review by											
								Last service (year)	Next service (year)	Year 2022											
									Jan.	Feb.	Mar.	Apr.	May	Jun	July	Aug	Sep.	Oct.	Nov.	Dec.	
						Clening oil pot mechanical seal	1.00	2021	2022											*	
130	Agitator	Z11-2-A	1006	Reactor Agitator (2)	- 3-paddles, 1-impeller	Inspection check run out	1.00	Nov-21	2022											*	
						Inspection check vertical	1.00	Nov-21	2022											*	
						Inspection stethoscope gear motor,bearing	0.08	2021	2022	*	*	*	*	*	*	*	*	*	*	*	
						Disassembly and inspection oil seal	12.00	2015	2027											*	
						Change oil gear	0.25	Nov-21	2022				*	*	*	*	*	*	*	*	
						Grease up bearing	0.25	Nov-21	2022			*	*	*	*	*	*	*	*	*	
						Retitten lock nut lock washer M/S	0.50	Nov-21	2022					*	*	*	*	*	*	*	
						Change gasget Baffle (left side)	1.50	29/7/2021	00/01/2023												
						Change gasget Baffle (right side)	1.50	29/7/2021	00/01/2023												
						Change gasket Manhold (first flange)	1.50	29/7/2021	00/01/2023											*	
						Change gasket Mech.box	2.00	5/6/2021	00/11/2022											*	
						Change Mech.seal	2.00	5/6/2021	00/11/2022											*	
						Overhaul Gear cyclone drive	10.00	Jun-18	2028												
						Visual gasket baffle,manhole,M/S,holding ring	1 week	2021	2022	*	*	*	*	*	*	*	*	*	*	*	
						Clening oil pot mechanical seal	1.00	2021	2022											*	
131	Agitator	Z11-3-A	1007	Reactor Agitator (3)	3-paddles, 1-impeller	Inspection check run out	1.00	Nov-21	2022											*	
						Inspection check vertical	1.00	Nov-21	2022											*	
						Inspection stethoscope gear motor,bearing	0.08	2021	2022	*	*	*	*	*	*	*	*	*	*	*	
						Disassembly and inspection oil seal	12.00	2015	2027											*	
						Change oil gear	0.25	Nov-21	2022	*	*	*	*	*	*	*	*	*	*	*	
						Grease up bearing	0.25	Nov-21	2022	*	*	*	*	*	*	*	*	*	*	*	
						Retitten lock nut lock washer M/S	0.50	Nov-21	2022					*	*	*	*	*	*	*	
						Change gasget Baffle (left side)	1.50	30/8/2021	00/02/2023												
						Change gasget Baffle (right side)	1.50	30/8/2021	00/02/2023												
						Change gasket Manhold (first flange)	1.50	30/8/2021	00/02/2023												

S and L Specialty Polymers Co.,Ltd				Equipment PM plan of 2022 (0.25year=3mth, 0.33year=4mth, 0.50year=6mth)										* by SandL * by Maker												Plan year: 2022 Revision: 00 (05-05-2022)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
NO.	Equipment	Tag No.	P&ID No.	Name	Type/Model	Detail	Period (year)	Preparation by		Next service (year)	Review by												Year 2022																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
								Last service (year)			Jan.	Feb.	Mar.	Apr.	May	Jun	July	Aug.	Sep.	Oct.	Nov.	Dec.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

S and L Specialty Polymers Co.,Ltd				Equipment PM plan of 2022 (0.25year=3mth, 0.33year=4mth, 0.50year=6mth)				* by SandL * by Maker		Plan year : 2022 Revision : 00 (05-05-2022)		Prepared by [Signature]		Year 2022 Review by												Approved by 05 MAY 2022											
NO.	Equipment	Tag No.	P&ID No.	Name	Type/Model	Detail	Period (year)	Last service (year)	Next service (year)	Jan.	Feb.	Mar.	Apr.	May	Jun	July	Aug.	Sep.	Oct.	Nov.	Dec.																
		Z11-7-A				Inspection stethoscope gear motor,bearing	0.08	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*																
		Z11-7-A				Disassembly and inspection oil seal	12.00	2015	2027																												
		Z11-7-A				Change oil gear	0.25	Nov-21	2022		*			*				*		*	*																
		Z11-7-A				Grease up bearing	0.25	Nov-21	2022		*			*				*		*	*																
		Z11-7-A				Retitten lock nut lock washer M/S	0.50	Nov-21	2022					*						*	*																
		Z11-7-A				Change gasget Baffle (left side)	1.50	8/2/2022	00/07/2023																												
		Z11-7-A				Change gasget Baffle (right side)	1.50	8/2/2022	00/07/2023																												
		Z11-7-A				Change gasket Manhold (frist flange)	1.50	8/2/2022	00/07/2023																												
		Z11-7-A				Change gasket Mech.box	2.00	27/5/2021	00/12/2022												*																
		Z11-7-A				Change Mech.seal	2.00	27/5/2021	00/12/2022												*																
		Z11-7-A				Overhaul Gear cyclone drive	10.00	Jan-20	2030																												
		Z11-7-A				Visual gasket baffle,manhole,MS,holding ring	1 week	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*																
		Z11-7-A				Clening oil pot mechanical seal	1.00	2021	2022												*																
136	Agitator	Z11-8-A	1012	Reactor Agitator (8)	3-paddles, 1-impeller	Inspection check run out	1.00	Nov-21	2022												*																
		Z11-8-A				Inspection check vertical	1.00	Nov-21	2022												*																
		Z11-8-A				Inspection stethoscope gear motor,bearing	0.08	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*																
		Z11-8-A				Disassembly and inspection oil seal	12.00	2015	2027																												
		Z11-8-A				Change oil gear	0.25	Nov-21	2022				*				*		*		*																
		Z11-8-A				Grease up bearing	0.25	Nov-21	2022				*				*		*		*																
		Z11-8-A				Retitten lock nut lock washer M/S	0.50	Nov-21	2022					*						*	*																
		Z11-8-A				Change gasget Baffle (left side)	1.50	28/04/2022	00/10/2023																												
		Z11-8-A				Change gasget Baffle (right side)	1.50	28/04/2022	00/10/2023																												
		Z11-8-A				Change gasket Manhold (frist flange)	1.50	28/04/2022	00/10/2023																												
		Z11-8-A				Change gasket Mech.box	2.00	Jan-22	00/07/2023																												
		Z11-8-A				Change Mech.seal	2.00	Jan-22	00/07/2023																												
		Z11-8-A				Overhaul Gear cyclone drive	10.00	Feb-18	2028																												
		Z11-8-A				Visual gasket baffle,manhole,MS,holding ring	1 week	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*																
		Z11-8-A				Clening oil pot mechanical seal	1.00	2021	2022												*																

S and L Speciality Polymers Co., Ltd				Equipment PM plan of 2022				by SundL		by Maker		Plan year: 2022		Revision: 00 (05-05-2022)		Prepared by		Review by		Approved by	
				(0.25year=3mth, 0.33year=4mth, 0.50year=6mth)														Year 2022		06 JUN 2022	
NO.	Equipment	Tag No.	P&ID No.	Name	Type/Model	Detail	Period (year)	Last service (year)	Next service (year)	Jan.	Feb.	Mar.	Apr.	May	Jun	Jul	Aug.	Sep.	Oct.	Nov.	Dec.
137	Agiator	Z12-1-A	1015	Slurry Release Tank Agitator (1)	4-paddles, 2+1-impeller	Change oil gear	1.00	2021	2022												
		Z12-1-A				Grease up bearing	0.25	2021	2022		*		*				*			*	
		Z12-1-A				Change rubber coupling	1.00	Nov-21	2022											*	
		Z12-1-A				Overhaul Gear box and Change bearing shaft	5.00	2015	2022											*	
138	Agiator	Z12-2-A	1015	Slurry Release Tank Agitator (2)	4-paddles, 2+1-impeller	Change oil gear	1.00	2021	2022												
		Z12-2-A				Grease up bearing	0.25	2021	2022		*		*				*			*	
		Z12-2-A				Change rubber coupling	1.00	Nov-21	2022											*	
		Z12-2-A				Overhaul Gear box and Change bearing shaft	5.00	2015	2022											*	
139	Agiator	Z13-1-W	1016	Washed Slurry Dispersion Tank Agitator (1)	4-paddles, 1-impeller	Change oil gear	1.00	2021	2022												
		Z13-1-W				Grease up bearing	0.25	2021	2022		*		*				*			*	
		Z13-1-W				Change rubber coupling	1.00	Nov-21	2022											*	
		Z13-1-W				Overhaul Gear box and Change bearing shaft	5.00	2022	2027												
		Z13-1-W				Inspection bolt coupling and PT test	1.00	Nov-21	2022											*	
140	Agiator	Z13-2-W	1016	Washed Slurry Dispersion Tank Agitator (2)	4-paddles, 1-impeller	Change oil gear	1.00	2021	2022											*	
		Z13-2-W				Grease up bearing	0.25	2021	2022		*		*				*			*	
		Z13-2-W				Change rubber coupling	1.00	Nov-21	2022											*	
		Z13-2-W				Overhaul Gear box and Change bearing shaft	5.00	2015	2022											*	
		Z13-2-W				Inspection bolt coupling and PT test	1.00	Nov-21	2022											*	
141	Agiator	Z13-3-W	1016	Washed Slurry Dispersion Tank Agitator (3)	4-paddles, 1-impeller	Change oil gear	1.00	2021	2022											*	
		Z13-3-W				Grease up bearing	0.25	2021	2022		*		*				*			*	

S and L Specialty Polymers Co.,Ltd				Equipment PM plan of 2022 (0.25year=3mth, 0.33year=4mth, 0.50year=6mth)				* by SandL * by Maker		Plan year 2022 Revision: 00 (05-05-2022)		Approved by																							
NO.	Equipment	Tag No.	P&ID No.	Name	Type/Model	Detail	Period (year)	Last service (year)	Next service (year)	Review by																									
										Jan.	Feb.	Mar.	Apr.	May	Jun	July	Aug.	Sep.	Oct.	Nov.	Dec.														
						Change rubber coupling	1.00	Nov-21	2022																									*	
		Z13-3-W				Overhaul Gear box and Change bearing shaft	5.00	2015	2022																									*	
		Z13-3-W				Inspection bolt coupling and PT test	1.00	Nov-21	2022																									*	
		Z13-3-W																																	
142	Agitator	Z15-1-D	1017A	Slurry Tank Agitator (1)	2 3-paddles, 1-impeller	Change lube oil	1.00	2021	2022																									*	
		Z15-1-D				Grease up bearing	0.25	2021	2022		*		*				*																	*	
		Z15-1-D				Change rubber coupling	1.00	Nov-21	2022																									*	
		Z15-1-D				Overhaul Gear box and Change bearing shaft	5.00	2015	2022																									*	
		Z15-1-D				Inspection bolt coupling and PT test	1.00	Nov-21	2022																									*	
143	Agitator	Z15-2-D	1018A	Slurry Tank Agitator (2)	2 3-paddles, 1-impeller	Change oil gear	1.00	2021	2022																									*	
		Z15-2-D				Grease up bearing	0.25	2021	2022		*		*				*																	*	
		Z15-2-D				Change rubber coupling	1.00	Nov-21	2022																									*	
		Z15-2-D				Overhaul Gear box and Change bearing shaft	5.00	17772021	2026																									*	
		Z15-1-D				Inspection bolt coupling and PT test	1.00	Nov-21	2022																									*	
144	Agitator	Z32-1-P	1004	PVC Reslurry Tank Agitator (1)	3-paddles, 1-impeller	Change oil gear	1.00	2021	2022																									*	
		Z32-1-P				Grease up bearing	0.25	2021	2022		*		*				*																*		
		Z32-1-P				Overhaul Gear box and Change bearing shaft	5.00	2015	2022																									*	
145	Agitator	Z32-2-P	1004	PVC Reslurry Tank Agitator (2)	3-paddles, 1-impeller	Change oil gear	1.00	2021	2022																									*	
		Z32-2-P				Grease up bearing	0.25	2021	2022		*		*				*																*		
		Z32-2-P				Overhaul Gear box and Change bearing shaft	5.00	2015	2022																									*	
146	Agitator	Z35-1-A	1013	SQ Agent Dissolution Agitator	4-paddles, 2-impellers	Change oil gear	1.00	2021	2022																									*	

S and L Specialty Polymers Co.,Ltd				Equipment PM plan of 2022 (0.25year=3mth, 0.33year=4mth, 0.50year=6mth)										* by SandL * by Maker		Plan year 2022		Revision 00 (05-05-2022)												Preparation by		Review by												Approved by											
NO.	Equipment	Tag No.	P&ID No.	Name	Type/Model	Detail	Period (year)	Last service (year)	Next service (year)	Year 2022																																													
										Jan.	Feb.	Mar.	Apr.	May	Jun	July	Aug.	Sep.	Oct.	Nov.	Dec.																																		
		Z35-1-A				Grease up bearing	0.25	2021	2022	*		*		*				*			*																																		
		Z35-1-A				Overhaul Gear box and Change bearing shaft	5.00	2015	2023																																														
147	Agitator	Z36-1-A	1013	BQ Agent Dissolution Agitator	4-paddles 1-impellers	Change oil gear	1.00	2021	2022													*																																	
		Z36-1-A				Grease up bearing	0.25	2021	2022	*		*		*				*			*																																		
		Z36-1-A				Overhaul Gear box and Change bearing shaft	5.00	2015	2023																																														
148	Agitator	Z37-1-A	1014	Sodium Sulfite Dissolution Agitator	2-paddles, 2+1-impeller	Change oil gear	1.00	2021	2022													*																																	
		Z37-1-A				Grease up bearing	0.25	2021	2022	*		*		*				*			*																																		
		Z37-1-A				Overhaul Gear box and Change bearing shaft	5.00	2015	2023																																														
149	Cooling Tower	C41-1-U	1025	Cooling Tower	Induce Draft Cross Flow	Change tuninging -belt	1.00	2021	2022													*																																	
		C41-1-U				Check teamion belt	0.50	2021	2022					*								*																																	
		C41-1-U				High pressure jet Cleaning packing and change fine filtration	3.00	2021	2024																																														
150	Cooling Tower	C41-2-U	1025	Cooling Tower	Induce Draft Cross Flow	Change tuninging -belt	1.00	2021	2022													*																																	
		C41-2-U				Check teamion belt	0.50	2021	2022					*								*																																	
		C41-2-U				High pressure jet Cleaning packing and change fine filtration	3.00	2021	2024													*																																	
151	Cooling Tower	C41-3-U	1025	Cooling Tower	Induce Draft Cross Flow	Change tuninging -belt	1.00	2021	2022													*																																	
		C41-3-U				Check teamion belt	0.50	2021	2022					*								*																																	
		C41-3-U				High pressure jet Cleaning packing and change fine filtration	3.00	2021	2024													*																																	

S and L Specialty Polymers Co.,Ltd				Equipment PM plan of 2022 (0.25year=3mth, 0.33year=4mth, 0.50year=6mth)										* by SandL * by Maker		Plan year : 2022 Revision: 00 (05-05-2022)											
NO.	Equipment	Tag No.	P&ID No.	Name	Type/Model	Detail	Period (year)	Last service (year)	Next service (year)	Year 2022																	
										Jan.	Feb.	Mar.	Apr.	May	Jun	July	Aug.	Sep.	Oct.	Nov.	Dec						
152	Cooling Tower	C41-4-U	1025	Cooling Tower	Induce Draft Cross Flow	Change timinging -belt	1.00	2021	2022												*						
		C41-4-U				Check tension belt	0.50	2021	2022			*									*						
		C41-4-U				High pressure jet Cleaning packing and change fine filtration	3.00	2021	2024												*						
153	Tank	V 11-1 A	1005	Tank reactor	Glass lining	Inspection glass lining (Thickness inspection)	1.00	Nov-21	2022												*						
		V 11-1 A				Inspection diaphragm valve CL H0527	1.00	Nov-21	2022												*						
		V 11-1 A				Inspection diaphragm valve CL H0528	1.00	Nov-21	2022												*						
		V 11-1 A				Inspection diaphragm valve CL H0596	1.00	Nov-21	2022												*						
		V 11-1 A				Inspection diaphragm valve CL H0529	1.00	Nov-21	2022												*						
		V 11-1 A				Inspection diaphragm valve CL H0530	1.00	Nov-21	2022												*						
		V 11-1 A				Inspection diaphragm valve CL H0531	1.00	Nov-21	2022												*						
		V 11-1 A				Inspection diaphragm valve CL H0532	1.00	Nov-21	2022												*						
		V 11-1 A				Inspection diaphragm valve CL H0533	1.00	Nov-21	2022												*						
		V 11-1 A				Recheck torque bolt diaphragm	0.50	Nov-21	2022			*									*						
		V 11-1 A				Change bolt diaphragm	1.00	Nov-21	2022												*						
		V 11-1 A				Recheck torque bolt gasket Holding ring	0.08	Nov-21	2022	*	*	*	*	*	*	*	*	*	*	*	*						
		V 11-1 A				Recheck torque bolt gasket Bulfe and Mech.seal	0.40	Nov-21	2022			*									*						
		V 11-1 A				Temtransmitter inspection and x-ray welding	1.00	-	2022												*						
154	Tank	V 11-2 A	1006	Tank reactor	Glass lining	Inspection glass lining (Thickness inspection)	1.00	Nov-21	2022												*						
		V 11-2 A				Inspection diaphragm valve CL H0627	1.00	Nov-21	2022												*						
		V 11-2 A				Inspection diaphragm valve CL H0628	1.00	Nov-21	2022												*						
		V 11-2 A				Inspection diaphragm valve CL H0696	1.00	Nov-21	2022												*						
		V 11-2 A				Inspection diaphragm valve CL H0629	1.00	Nov-21	2022												*						
		V 11-2 A				Inspection diaphragm valve CL H0630	1.00	Nov-21	2022												*						
		V 11-2 A				Inspection diaphragm valve CL H0631	1.00	Nov-21	2022												*						
		V 11-2 A				Inspection diaphragm valve CL H0632	1.00	Nov-21	2022												*						
		V 11-2 A				Inspection diaphragm valve CL H0633	1.00	Nov-21	2022												*						
		V 11-2 A				Recheck torque bolt diaphragm	0.50	Nov-21	2022					*							*						

S and L Specialty Polymers Co.,Ltd				Equipment PM plan of 2022				* by SandL * by Maker				Plan year 2022																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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		V14-2-W				Cleaning	10.00	2019	2029	05 MAY 2022											
168	Tank	V14-3-W	1022	Waste Water Cushion Tank (3)	HDPE tank	Appearance check	10.00	2019	2029												
		V14-3-W				Cleaning	10.00	2019	2029												
169	Tank	V14-4-W	1022	Waste Water Cushion Tank (4)	HDPE tank	Appearance check	10.00	2019	2029												
		V14-4-W				Cleaning	10.00	2019	2029												
170	Tank	V15-1-D	1017A	Slurry Tank for Drying (1)	Stainless steel tank	Appearance check	10.00	2015	2025												
		V15-1-D				Water jet cleaning	1.00	2021	2022											*	
171	Tank	V15-2-D	1018A	Slurry Tank for Drying (2)	Stainless steel tank	Appearance check	10.00	2015	2025												
		V15-2-D				Water jet cleaning	1.00	2021	2022											*	
172	Tank	V17-1-D	1017C	Sifter Outlet Receiver (1)	TP340	Appearance check	10.00	2015	2025												
173	Tank	V17-2-D	1018C	Sifter Outlet Receiver (2)	TP340	Appearance check	10.00	2015	2025												
174	Tank	V18-1-D	1017C	CPVC Transport Hopper (1)	TP340	Appearance check	10.00	2015	2025												
175	Tank	V18-2-D	1017C	CPVC Transport Hopper (2)	TP340	Appearance check	10.00	2015	2025												
176	Tank	V18-3-D	1018C	CPVC Transport Hopper (3)	TP340	Appearance check	10.00	2015	2025												
177	Tank	V18-4-D	1018C	CPVC Transport Hopper (4)	TP340	Appearance check	10.00	2015	2025												

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178	Tank	V19-1-D	1019	CPVC Silo (1)	Carbon steel + PVC lining	Appearance check	10.00	2015	2025																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

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188	Tank	V31-1-P	1004	PVC Weighing Hopper (1)	Stainless steel tank	Appearance check	10.00	2015	2025														
189	Tank	V31-2-P	1004	PVC Weighing Hopper (2)	Stainless steel tank	Appearance check	10.00	2015	2025														
190	Tank	V32-1-P	1004	PVC Reslurry Tank (1)	Stainless steel tank	Appearance check	10.00	2015	2025														
191	Tank	V32-2-P	1004	PVC Reslurry Tank (2)	Stainless steel tank	Appearance check	10.00	2015	2025														
192	Tank	V35-1-A	1013	SQ Agent Dissolution Tank	Stainless steel tank	Appearance check	10.00	2015	2025														
193	Tank	V35-2-A	1013	SQ Agent Service Tank	Stainless steel tank	Appearance check	10.00	2015	2025														
194	Tank	V36-1-A	1013	BQ Agent Dissolution Tank	Stainless steel tank	Appearance check	10.00	2015	2025														
195	Tank	V36-2-A	1013	BQ Agent Service Tank	Stainless steel tank	Appearance check	10.00	2015	2025														
196	Tank	V37-1-A	1014	Sodium Sulfite Dissolution Tank	Stainless steel tank	Appearance check	10.00	2015	2025														
197	Tank	V37-2-A	1014	Sodium Sulfite Service Tank	PE tank	Appearance check	10.00	2015	2025														
198	Tank	V41-1-U	1024	Water Reservoir (CW) (1)	Concrete	Appearance check	10.00	2015	2025														
199	Tank	V41-2-U	1024	Water Reservoir (CW) (2)	Concrete	Appearance check	10.00	2015	2025														
200	Tank	V42-U	1024	Water Reservoir (FW)	PE tank	Appearance check	10.00	2015	2025														
201	Tank	V43-U	1025	Water Reservoir (BW)	Concrete	Appearance check	10.00	2015	2025														
202	Tank	V44-U	1030	Water Reservoir (PW)	Stainless steel tank	Appearance check	10.00	2015	2025														




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203	Tank	V47-U	1027	Compressed Air Receiver Tank	Carbon steel	Appearance check	10.00	2015	2025													
204	Tank	V48-1-U	1027B	Compressed Air Accumulator Tank for CPVC Transport (1)	Carbon steel	Appearance check	10.00	2015	2025													
205	Tank	V48-2-U	1027B	Compressed Air Accumulator Tank for CPVC Transport (2)	Carbon steel	Appearance check	10.00	2015	2025													
206	Tank	V48-3-U	1027B	Compressed Air Accumulator Tank for PVC Washing	Carbon steel	Appearance check	10.00	2015	2025													
207	Tank	V48-4-U	1027B	Compressed Air Accumulator Tank for PVC transport	Carbon steel	Appearance check	10.00	2015	2025													
208	Tank	V49-U	1024	Backwash Water Tank for Filtration Tower	PE tank	Appearance check	10.00	2015	2025													
209	Tank	V51-1-P	1002	PVC Transport Hopper (1)	Stainless steel tank	Appearance check	10.00	2015	2025													
210	Tank	V51-2-P	1002	PVC Transport Hopper (2)	Stainless steel tank	Appearance check	10.00	2015	2025													
211	Tank	V51-3-P	1002	PVC Transport Hopper (3)	Stainless steel tank	Appearance check	10.00	2015	2025													
212	Tank	V52-1-P	1003	PVC Silo (1)	Stainless steel tank	Appearance check	10.00	2015	2025													
213	Tank	V52-2-P	1003	PVC Silo (2)	Stainless steel tank	Appearance check	10.00	2015	2025													
214	Tank	V52-3-P	1003	PVC Silo (3)	Stainless steel tank	Appearance check	10.00	2015	2025													
215	Tank	V52-4-P	1003	PVC Silo (4)	Stainless steel tank	Appearance check	10.00	2015	2025													
216	Tank	V53-1-P	1002	PVC Loading Hopper (1)	Stainless steel tank	Appearance check	10.00	2015	2025													
217	Tank	V53-2-P	1002	PVC Loading Hopper (2)	Stainless steel tank	Appearance check	10.00	2015	2025													

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218	Tank	V53-3-P	1002	PVC Loading Hopper (3)	Stainless steel tank	Appearance check	10.00	2015	2025												
219	Tank	V56-D	1019	Off-Spec Hopper	Carbon steel + PVC lining	Appearance check	10.00	2017	2027												
		V56-D				Inspection PVC lining	10.00	2017	2027												
		V56-D				Inspection Screw	1.00	2021	2022	*											
220	Tank	V57-D	1019	Off-Spec Transport Hopper	TP340	Appearance check	10.00	2015	2025												
221	Tank	V58-D	1018C	NaOH Dilution Tank	Stainless steel tank	Appearance check	10.00	2015	2025												
222	Tank	V80-U	1032	Water Storage Tank	PE tank	Appearance check	10.00	2015	2025												
223	Tank	V81-1-N	1022	HCl Neutralization Tank (1)	FRP	Appearance check	10.00	2019	2029												
		V81-1-N				Inspection FRP lining	10.00	2019	2029												
224																					
225	Tank	V81-2-N	1022	HCl Neutralization Tank (2)	FRP	Appearance check	10.00	2019	2029												
		V81-2-N				Inspection FRP lining	10.00	2019	2029												
226	Tank	V83-N	1023A	HCl Storage Tank	PE tank	Appearance check	10.00	2015	2025												
227	Tank	V87-N	1023A	Waste Water Tank (High TDS)	PE tank	Appearance check	10.00	2015	2025												
228	Tank	V88-N	1023A	Waste Water Tank (Low TDS)	PE tank	Appearance check	10.00	2015	2025												

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229	Tank	V89-N	1023A	Waste Water Inspection Tank	PE tank	Appearance check	10.00	2015		2025																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

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240	Tank	V100-4-U	1031	Sump Pit-4	concrete	Appearance check	10.00	2015	2025																			
241	Tank	V100-5-U	1031	Oil Separator	concrete	Appearance check	10.00	2015	2025																			
242	Tank	V101-U	1024A	PAC Tank	FRP tank	Appearance check	10.00	2015	2025																			
243	Compressor	B47-1-U	1027	Screw Compressor	Air Compressor	PM package unit	0.25	2021	2022		*				*					*		*	*					
		B47-1-U				Change Spare part	1.00	2021	2022													*	*					
		B47-1-U				Overhaul	5.00	2018	2023																			
		B47-1-U				Cleaning suction filter	0.08	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
244	Compressor	B47-2-U	1027	Screw Compressor	Air Compressor	PM package unit	0.25	2021	2022		*				*					*		*	*					
		B47-2-U				Change Spare part	1.00	2021	2022													*	*					
		B47-2-U				Overhaul	5.00	2018	2023																			
		B47-2-U				Cleaning suction filter	0.08	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
245	Compressor	B47-3-U	1027	Screw Compressor	Air Compressor	PM package unit	0.25	2021	2022		*				*					*		*	*					
		B47-3-U				Change Spare part	1.00	2021	2022													*	*					
		B47-3-U				Overhaul	5.00	2018	2023																			
		B47-3-U				Cleaning suction filter	0.08	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
246	Compressor	B47-4-U	1027	Screw Compressor	Air Compressor	PM package unit	0.25	2021	2022		*				*					*		*	*					
		B47-4-U				Change Spare part	1.00	2021	2022													*	*					
		B47-4-U				Overhaul	5.00	2018	2024																			
		B47-4-U				Cleaning suction filter	0.08	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*	*	*					

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247	Compressor	B47-5-U	1027	Screw Compressor	Air Compressor	PM package unit	0.25	2021	2022			*			*						
		B47-5-U				Change Spare part	1.00	2021	2022									*			*
		B47-5-U				Overhaul	5.00	2018	2024												*
		B47-5-U				Cleaning suction filter	0.08	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*
248	Air Dryer	DR47-1-U	1027	Air Dryer	Air Dryer	PM package unit	0.25	2021	2022			*			*			*			*
		DR47-1-U				Change filter	1.00	2021	2022			*			*						
		DR47-1-U				Change spare part	3.00	2018	2023												
		DR47-1-U				Change seal kit air cylinder	1.00	2021	2022												*
249	Air Dryer	DR47-2-U	1027	Air Dryer	Air Dryer	PM package unit	0.25	2021	2022			*			*			*			*
		DR47-2-U				Change spare part	1.00	2021	2022			*			*						
		DR47-2-U				Change spare part	3.00	2018	2023												*
		DR47-2-U				Change seal kit air cylinder	1.00	2021	2022												*
250	Air Dryer	DR47-3-U	1027	Air Dryer	Air Dryer	PM package unit	0.25	2021	2022			*			*			*			*
		DR47-3-U				Change spare part	1.00	2021	2022			*			*						
		DR47-3-U				Change spare part	3.00	2018	2023												
		DR47-3-U				Change seal kit air cylinder	1.00	2021	2022												*
251	Overhead crane	KZ14-D	Ware house 1	Hoist Mono rail	Overhead Crane 1.6 tons	PM package unit	0.25	2021	2022			*			*			*			*
		KZ14-D				Loadtest	1.00	2021	2022						*						
252	Overhead crane	KZ19-1-D	Ware house 1	Hoist Mono rail	Overhead Crane 2.0 tons	PM package unit	0.25	2021	2022			*			*			*			*
		KZ19-1-D				Loadtest	1.00	2021	2022						*						

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253	Overhead crane	KZ19-2-D	Ware house 2	Hoist Mono rail	Overhead Crane 2.0 tons	PM package unit	0.25	2021	2022		*				*			*			*		
		KZ19-2-D				Loadtest	1.00	2021	2022					*									
254	Overhead crane	KZ19-3-D	Ware house 2	Hoist Mono rail	Overhead Crane 1.6 tons	PM package unit	0.25	2021	2022		*				*			*			*		
		KZ19-3-D				Loadtest	1.00	2021	2022					*									
255	Overhead crane	KZ19-4-D	Ware house 1	Hoist Mono rail	Overhead Crane 2.0 tons	PM package unit	0.25	2021	2022		*				*			*			*		
		KZ19-4-D				Loadtest	1.00	2021	2022					*									
256	Overhead crane	KZ11-1-P	Ware house 3	Hoist Mono rail	Overhead Crane 1.6 tons	PM package unit	0.25	2021	2022		*				*			*			*		
		KZ11-1-P				Loadtest	1.00	2021	2022					*									
257	Overhead crane	KZ11-2-P	Ware house 3	Hoist Mono rail	Overhead Crane 1.6 tons	PM package unit	0.25	2021	2022		*				*			*			*		
		KZ11-2-P				Loadtest	1.00	2021	2022					*									
258	Overhead crane	KZ12-P	Ware house 3	Hoist Mono rail	Overhead Crane 1.6 tons	PM package unit	0.25	2021	2022		*				*			*			*		
		KZ12-P				Loadtest	1.00	2021	2022					*									
259	Overhead crane	KZ16-1-A	Reactor house	Hoist Mono rail	Overhead Crane 3.0 tons	PM package unit	0.25	2021	2022		*				*			*			*		
		KZ16-1-A				Loadtest	1.00	2021	2022					*				*					
260	Overhead crane	KZ16-2-A	Reactor house	Hoist Mono rail	Overhead Crane 3.0 tons	PM package unit	0.25	2021	2022		*				*			*			*		
		KZ16-2-A				Loadtest	1.00	2021	2022					*									

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261	Overhead crane	KZ15-1-A	Reslurry house	Hoist Mono rail	Overhead Crane 2 tons	PM package unit	0.25	2021	2022		*		*		*			*				
		KZ15-1-A				Loadtest	1.00	2021	2022						*							
262	Overhead crane	KZ15-2-A	Reslurry house	Hoist Mono rail	Overhead Crane 2 tons	PM package unit	0.25	2021	2022		*		*		*			*				
		KZ15-2-A				Loadtest	1.00	2021	2022						*							
263	Overhead crane	KZ13-A	V37 A	Hoist Mono rail	Overhead Crane 1.6 tons	PM package unit	0.25	2021	2022		*		*		*			*				
		KZ13-A				Loadtest	1.00	2021	2022						*							
264	CL2 piping	CL2 piping	CL2 line	CL2 piping	CS and PTFE lining	Thickness inspection	1.00	2021	2022					*								
265	Bag Filter	S53-P	1002	Bag filter for PVC loading	4,348m3/hr Casing SUS304	Visual Inspection	1.00	2020	2021											*		
266	Bag Filter	S52-1-P	1003	Bag filter for PVC Silo	4,000m3/hr Casing SUS304	Visual Inspection	1.00	2021	2022											*		
267	Bag Filter	S52-2-P	1003	Bag filter for PVC Silo	4,000m3/hr Casing SUS304	Visual Inspection	1.00	2021	2022											*		
268	Bag Filter	S52-3-P	1003	Bag filter for PVC Silo	4,000m3/hr Casing SUS304	Visual Inspection	1.00	2021	2022											*		
269	Bag Filter	S52-4-P	1003	Bag filter for PVC Silo	4,000m3/hr Casing SUS304	Visual Inspection	1.00	2021	2022											*		
270	Bag Filter	S31-1-P	1004	Bag filter for PVC Weighing Hopper	1,300Nm3/hr Casing SUS304 PE	Visual Inspection	1.00	2021	2022											*		
271	Bag Filter	S31-2-P	1004	Bag filter for PVC Weighing Hopper	1,300Nm3/hr Casing SUS304 PE	Visual Inspection	1.00	2021	2022											*		

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272	Bag Filter	S56-D	1019	Bag filter for off spec Hopper	480Nm3/hr Casing TP340	Visual Inspection	1.00	2021	2022											*	
273	Bag Filter	S55-D	1019	Bag filter for Truck loading	1,800Nm3/hr Casing SUS304	Visual Inspection	1.00	2021	2022											*	
274	Bag Filter	S19-1-D	1019	Bag filter for CPVC Silo	480Nm3/hr Casing TP340	Visual Inspection	1.00	2021	2022											*	
275	Bag Filter	S19-2-D	1019	Bag filter for CPVC Silo	480Nm3/hr Casing TP340	Visual Inspection	1.00	2021	2022											*	
276	Bag Filter	S19-3-D	1019	Bag filter for CPVC Silo	480Nm3/hr Casing TP340	Visual Inspection	1.00	2021	2022											*	
277	Bag Filter	S19-4-D	1019	Bag filter for CPVC Silo	480Nm3/hr Casing TP340	Visual Inspection	1.00	2021	2022											*	
278	Mist separator	S32-1-D	1017	Mist separator	TMC-S-600	Visual Inspection	1.00	2021	2022											*	
		S32-1-D				Cleaning by water	3.00	2021	2024												
279	Mist separator	S32-2-D	1018	Mist separator	TMC-S-600	Visual Inspection	1.00	2021	2022											*	
		S32-2-D				Cleaning by water	3.00	2021	2024												
280	Pressure control valve	PCV-332	1026	Control valve Steam line at back site Reactor house	-	Calibration set point 1.50 > 1.10 (MPaG)	1.00	2021	2022											*	
281	Pressure control valve	PCV-333	1026	Control valve Steam line at back site Reactor house	-	Calibration set point 1.10 > 0.80 (MPaG)	1.00	2021	2022											*	
282	Pressure control valve	PCV-334	1026	Control valve Steam line at back site Reactor house	-	Calibration set point 0.80 > 0.40 (MPaG)	1.00	2021	2022											*	
283	Pressure Safety valve	SV-332	1026	Safety valve Steam line at back site Reactor house	-	Calibration set point 1.20 (MPaG)	1.00	2021	2022											*	
284	Pressure Safety valve	SV-333	1026	Safety valve Steam line at back site Reactor house	-	Calibration set point 0.70 (MPaG)	1.00	2021	2022											*	
285	Pressure Safety valve	SV-334	1026	Safety valve Steam line at back site Reactor house	-	Calibration set point 0.96 (MPaG)	1.00	2021	2022											*	

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286	Pressure Safety valve	SV-011	1002	Safety valve PVC hopper at Reslurry house	-	Calibration set point 0.30 (MPaG)	5.00	N/A	2024													
287	Pressure Safety valve	SV-012	1002	Safety valve PVC hopper at Reslurry house	-	Calibration set point 0.30 (MPaG)	5.00	N/A	2024													
288	Pressure Safety valve	SV-013	1002	Safety valve PVC hopper at Reslurry house	-	Calibration set point 0.30 (MPaG)	5.00	N/A	2024													
289	Pressure Safety valve	SV-032	1005	Safety valve Warm line at 1st floor Reactor house	-	Calibration set point 0.49 (MPaG)	2.00	2021	2023												*	
290	Pressure Safety valve	SV-042	1006	Safety valve Warm line at 1st floor Reactor house	-	Calibration set point 0.49 (MPaG)	2.00	2021	2023												*	
291	Pressure Safety valve	SV-052	1007	Safety valve Warm line at 1st floor Reactor house	-	Calibration set point 0.49 (MPaG)	2.00	2021	2023												*	
292	Pressure Safety valve	SV-062	1008	Safety valve Warm line at 1st floor Reactor house	-	Calibration set point 0.49 (MPaG)	2.00	2021	2023												*	
293	Pressure Safety valve	SV-072	1009	Safety valve Warm line at 1st floor Reactor house	-	Calibration set point 0.49 (MPaG)	2.00	2021	2023												*	
294	Pressure Safety valve	SV-082	1010	Safety valve Warm line at 1st floor Reactor house	-	Calibration set point 0.49 (MPaG)	2.00	2021	2023												*	
295	Pressure Safety valve	SV-092	1011	Safety valve Warm line at 1st floor Reactor house	-	Calibration set point 0.49 (MPaG)	2.00	2021	2023												*	
296	Pressure Safety valve	SV-102	1012	Safety valve Warm line at 1st floor Reactor house	-	Calibration set point 0.49 (MPaG)	2.00	2021	2023												*	
297	Pressure Safety valve	SV-119	1013	Safety valve BQ line at P36-1-A 2nd floor Reactor house	-	Calibration set point 0.78 (MPaG)	2.00	2020	2022													
298	Pressure Safety valve	SV-120	1013	Safety valve BQ line at P36-2-A 2nd floor Reactor house	-	Calibration set point 0.78 (MPaG)	2.00	2020	2022													
299	Pressure Safety valve	SV-111	1013	Safety valve BQ line at P35-1-A 2nd floor Reactor house	-	Calibration set point 0.78 (MPaG)	2.00	2020	2022													
300	Pressure Safety valve	SV-112	1013	Safety valve BQ line at P35-2-A 2nd floor Reactor house	-	Calibration set point 0.78 (MPaG)	2.00	2020	2022													

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301	Pressure Safety valve	SV-113	1013	Safety valve BQ line at P35-3-A 2nd floor Reactor house	-	Calibration set point 0.78 (MPaG)	2.00	2020	2022													
302	Pressure Safety valve	SV-114	1013	Safety valve BQ line at P35-4-A 2nd floor Reactor house	-	Calibration set point 0.78 (MPaG)	2.00	2020	2022													
303	Pressure Safety valve	SV-115	1013	Safety valve BQ line at P35-5-A 2nd floor Reactor house	-	Calibration set point 0.78 (MPaG)	2.00	2020	2022													
304	Pressure Safety valve	SV-116	1013	Safety valve BQ line at P35-6-A 2nd floor Reactor house	-	Calibration set point 0.78 (MPaG)	2.00	2020	2022													
305	Pressure Safety valve	SV-117	1013	Safety valve BQ line at P35-7-A 2nd floor Reactor house	-	Calibration set point 0.78 (MPaG)	2.00	2020	2022													
306	Pressure Safety valve	SV-118	1013	Safety valve BQ line at P35-8-A 2nd floor Reactor house	-	Calibration set point 0.78 (MPaG)	2.00	2020	2022													
307	Pressure Safety valve	SV-131	1014	Safety valve CS line (Na2SO3) at P37-1-A Tank yard	-	Calibration set point 0.78 (MPaG)	3.00	2021	2024												*	
308	Pressure Safety valve	SV-132	1014	Safety valve CS line (Na2SO3) at P37-2-A Tank yard	-	Calibration set point 0.78 (MPaG)	3.00	2021	2024												*	
309	Pressure Safety valve	SV-161	1016	Safety valve Air line at Washing tower	-	Calibration set point 0.56 (MPaG)	3.00	N/A	2022													
310	Pressure Safety valve	SV-162	1016	Safety valve Air line at Washing tower	-	Calibration set point 0.56 (MPaG)	3.00	N/A	2022													
311	Pressure Safety valve	SV-163	1016	Safety valve Air line at Washing tower	-	Calibration set point 0.56 (MPaG)	3.00	N/A	2022													
312	Pressure Safety valve	SV-164	1016	Safety valve Air line at Washing tower	-	Calibration set point 0.56 (MPaG)	3.00	N/A	2022													
313	Pressure Safety valve	SV-201	1017C	Safety valve CPVC hopper at V18-1-D Dryer house	-	Calibration set point 0.49 (MPaG)	2.00	2021	2023												*	
314	Pressure Safety valve	SV-203	1017C	Safety valve CPVC hopper at V18-2-D Dryer house	-	Calibration set point 0.49 (MPaG)	2.00	2021	2023												*	
315	Pressure Safety valve	SV-181	1018C	Safety valve CPVC hopper at V18-3-D Dryer house	-	Calibration set point 0.49 (MPaG)	2.00	2021	2023												*	

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316	Pressure Safety valve	SV-183	1018C	Safety valve CPVC hopper at V18-4-D Dryer house	-	Calibration set point 0.49 (MPaG)	2.00	2021	2023											*		
317	Pressure Safety valve	SV-221	1019	Safety valve off spec hopper at V57-D Werchouse No.1	-	Calibration set point 0.49 (MPaG)	2.00	2021	2023											*		
318	Pressure Safety valve	SV-242	1021	Safety valve NaOH line at P23-A Tank yard	-	Calibration set point 0.30 (MPaG)	5.00	N/A	2024													
319	Pressure Safety valve	SV-243	1021	Safety valve NaOH line at P86-A Tank yard	-	Calibration set point 0.33 (MPaG)	5.00	N/A	2024													
340	Pressure Safety valve	SV-306	1024A	Safety valve FW line at Sand filter S41-1-U	-	Calibration set point 0.35 (MPaG)	5.00	N/A	2024													
341	Pressure Safety valve	SV-307	1024A	Safety valve FW line at Sand filter S41-2-U	-	Calibration set point 0.35 (MPaG)	5.00	N/A	2024													
342	Pressure Safety valve	SV-308	1024A	Safety valve FW line at Sand filter S41-3-U	-	Calibration set point 0.35 (MPaG)	5.00	N/A	2024													
343	Pressure Safety valve	SV-309	1024A	Safety valve PAC line at Sand filter	-	Calibration set point 0.6 (MPaG)	N/A	N/A	N/A													
344	Pressure Safety valve	SV-301	1024	Safety valve FW line at Pump P65-1,2-A	-	Calibration set point 0.53 (MPaG)	5.00	2020	2025													
345	Pressure Safety valve	SV-351	1025B	Safety valve H2SO4 line at Dosing for Cooling tower	-	Calibration set point 0.3 (MPaG)	5.00	N/A	2023													
346	Pressure Safety valve	SV-352	1025B	Safety valve Protect corrosion and scale solvent line	-	Calibration set point 0.3 (MPaG)	5.00	N/A	2023													
347	Pressure Safety valve	SV-353	1025B	Safety valve NaOCl line at Dosing for Cooling tower	-	Calibration set point 0.3 (MPaG)	5.00	N/A	2023													
348	Pressure Safety valve	SV-342	1027B	Safety valve Air for cPVC transport at V48-1-U for V18-1,2-D	-	Calibration set point 1.3 (MPaG)	5.00	2020	2025													
349	Pressure Safety valve	SV-343	1027B	Safety valve Air line for cPVC transport	-	Calibration set point 1.3 (MPaG)	5.00	2020	2025													
350	Pressure Safety valve	SV-344	1027B	Safety valve Air line for cPVC transport	-	Calibration set point 1.3 (MPaG)	5.00	2020	2025													

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										Jan.	Feb.	Mar.	Apr.	May	Jun	July	Aug.	Sep.	Oct.	Nov.	Dec.		
										05 MAY 2022													
351	Pressure Safety valve	SV-345	1027B	Safety valve Air line for ePVC transport	-	Calibration set point 1.3 (MPaG)	5.00	2020	2025														
352	Pressure Safety valve	SV-341	1027	Safety valve Air receiver tank	-	Calibration set point 1.3 (MPaG)	1.00	2020	2025														
353	Pressure Safety valve	SV-302	1028	Safety valve FW line	-	Calibration set point 1.1 (MPaG)	5.00	2021	2026										*				
354	Pressure Safety valve	SV-303	1028	Safety valve FW line	-	Calibration set point 1.1(MPaG)	5.00	2021	2026										*				
355	Pressure Safety valve	SV-304	1028	Safety valve FW line	-	Calibration set point 1.1 (MPaG)	5.00	2021	2026										*				
356	Pressure Safety valve	SV-305	1028	Safety valve FW line	-	Calibration set point 1.1 (MPaG)	5.00	2021	2026										*				
357	Pressure Safety valve	SV-501	1034	Safety valve FF line	-	Calibration set point 0.69 (MPaG)	3.00	2020	2023														
358	Pressure Safety valve	SV-502	1034	Safety valve FF line	-	Calibration set point 0.69 (MPaG)	3.00	2020	2023														
359	Pressure Safety valve	SV-503	1034	Safety valve FF line	-	Calibration set point 1.00 (MPaG)	3.00	2020	2023														
360	Pressure Safety valve	SV-241	1021	Safety valve Air line	-	Calibration set point 0.07 (MPaG)	5.00	N/A	2022														
361	Pressure Safety valve	SV-242	1022	Safety valve Air line	-	Calibration set point 0.07 (MPaG)	5.00	N/A	2022														
362	Pressure Safety valve	SV-401	1018C	Safety valve NaOH line	-	Calibration set point 0.50 (MPaG)	5.00	N/A	2022														
363	Pressure Safety valve	SV-402	1018C	Safety valve NaOH line	-	Calibration set point 0.50 (MPaG)	5.00	N/A	2022														
364	Pressure Safety valve	SV-021	1004	Safety valve Vacuum line	-	Calibration set point 0.045 (MPaG)	1.00	2021	2022										*				
365	Pressure Safety valve	SV-022	1004	Safety valve Vacuum line	-	Calibration set point 0.045 (MPaG)	1.00	2021	2022										*				

S and L Specialty Polymers Co., Ltd			Equipment PM plan of 2022 (0.25year=3mth, 0.33year=4mth, 0.50year=6mth)			* by SandL * by Maker		Plan year : 2022 Revision : 00 (05-05-2022)		Approved by 05 MAY 2022											
NO.	Equipment	Tag No.	P&ID No.	Name	Type/Model	Detail	Period (year)	Last service (year)	Next service (year)	Review by											
										Jan.	Feb.	Mar.	Apr.	May	Jun	July	Aug.	Sep.	Oct.	Nov.	Dec.
366	Pump	P81-3-N	1022	HCl Neutralization Circulation Pump (3)	Centrifugal pump	inspection coupling	3.00	New Y20	2023												
		P81-3-N				Check temp pump and motor	0.25	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*
		P81-3-N				recheck alignment	3.00	New Y20	2023												
		P81-3-N				Change oil bearing	1.00	2021	2022												*
		P81-3-N				Over haul pump	5.00	New 2020	2025												
367	Tank	V81-3-N	1022	HCl Neutralization Tank (3)	FRP	Appearance check	10.00	New Y20	2030												
		V81-3-N				Inspection FRP lining	10.00	New Y20	2030												
368	Blower	B27-2-N	1021	Tank Agitation Blower	Roots blower	recheck alignment and check tensionbelt	1.00	2021	2022											*	*
		B27-2-N				inspection Pulley	1.00	2021	2022											*	*
		B27-2-N				Change v-belt	1.00	2021	2022											*	*
		B27-2-N				Change oil gear	1.00	2021	2022											*	*
		B27-2-N				Check temp pump and motor	0.25	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*
		B27-2-N				Grease up bearing	0.25	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*
		B27-2-N				Overhaul blower	6.00	New 2017	2023												
369	Pump	C43-P01-1-U	1025B	Solenoid Driven diaphragm Pump	diaphragm Pump	General Inspection and check condition	0.25	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*
370	Pump	C43-P01-2-U	1025B	Solenoid Driven diaphragm Pump	diaphragm Pump	General Inspection and check condition	0.25	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*
371	Pump	C43-P02-1-U	1025B	Solenoid Driven diaphragm Pump	diaphragm Pump	General Inspection and check condition	0.25	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*
372	Pump	C43-P02-2-U	1025B	Solenoid Driven diaphragm Pump	diaphragm Pump	General Inspection and check condition	0.25	2021	2022	*	*	*	*	*	*	*	*	*	*	*	*

