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SURAT PERINTAH KERJA TEKNIK

Customer : Tlv. Klaten.		Subject : General check up Ozone		Check by : Agung	Customer by : Drat tp
Type : VULW 70	Sn. : 5696.	Running time : 20995 h	Year : 06/02	Date : 12.01.2020.	Working hours : 08.00 - 17.00.
> > > Ozone cabinet door switch open/emergency stop > > >				Lock : (Y) / N	

Step 1 - Dew Point after the tube generator

Dryer 1

		Before	After	Note
Remaining Capacity	%			
Dew Point	°C	-34,27		
Gas Temperature	°C	29,14.		

Description : Hasil cek Dew Point Cukup

Dryer 2

		Before	After	Note
Remaining Capacity	%			
Dew Point	°C	-34,05		
Gas Temperature	°C	29,23		

Description : Hasil cek Dew Point Cukup

Step 2 - Dew Point after the Dryer

Dryer 1

		Before	After	Note
Remaining Capacity	%	100		
Dew Point	°C	-67,17		
Gas Temperature	°C	28,82		

Description : Hasil cek Dew point Baik

Dryer 2

		Before	After	Note
Remaining Capacity	%	13.		
Dew Point	°C	-67,16		
Gas Temperature	°C	28,86.		

Description : Hasil cek Dew Point Baik

Room Condition	Temperature	°C	29,09
	Relative Humidity	%	72,56.

Step 3 - Regeneration the Dryer

**********		Phase R	Phase S	Phase T
Regeneration Blower	A	1,03	1,01	0,94.
Heater Dryer 1	A	7,16.		
Heater Dryer 2	A	7,13		

Flow Blower		m/s	14,5.	
Dryer Heating 1	16S1	°C	320	
Dryer Heating 2	16S2	°C	320	130,5
Dryer regeneration 1	16S3	°C	150	
Dryer regeneration 2	16S4	°C	150.	119,8

Dryer 1

		Before	After	Note
Heating Up Time	min			
Heating On/Off	x			
Heating Time	min			
Total Reg. Time	min			

Description :

Dryer 2

		Before	After	Note
Heating Up Time	min	-		130,9°C.
Heating On/Off	x	-		
Heating Time	min	120		119,8°C
Total Reg. Time	min	570		

Description : Hasil cek Regenerasi Baik

Step 4 - Columns of Data & Action

Voltage	V	360.	
Current Consumption	A	1.6.	
Ozone Level	step	3	
Excess Ozone in water	mg/l	0.27.	
Water Flow Rate	m^3/h	44.	
Flow Cooling Water	l/h	500	
Flow Vaccum	Nm^3/h	1,2	
Injection Pressure In	bar	1.7.	
Injection Pressure Out	bar	018	
Vaccum in PLC	Nm^3/h	3,5.	
Max absolute humidity	g/m^3	35.	
Total Operation Time	min	-	
Software PLC & DP 3		2.1	

HITORY FAULTS	X
Regeneration blower failure	
Heating time in dryer I dan dryer 2	&
Thermostat dryer I dan dryer 2	&
ozone mixing/air flow low	
Cooling water temp. too high/flow low	
Ozone cabinet door switch open/emergency stop	
Air too hot	
Mains power supply phase failure	
Water inrush in ozone generation	
Booster pump failure/off	
Ozone generation	
ozone gas warming	

****		Phase R	Phase S	Phase T
Booster Pump	A			
Check Original part & function		√	X	Description
Glass Breakage Relay		✓		
High Voltage cable		✓		
Relay		✓		
Noise Filter		✓		
Solenoid Valve Regeneration		✓		
Solenoid Valve Operation		✓		
Thermostat 16S5		✓		
Thermostat 26S2		✓		
Ozone Fault main pump cut off		✓		
Noted all fault data & reset		-		
Check Butterfly Flap				
* Open		-		
* Close		-		
Seal Check Valve Injection		-		

Step 5 - Check Safety Unit Ozone

	Description
Water inrush in ozone generation	Ok.
Ozone mixing/air flow low	Ok.
Cooling water temp. too high	ok.
Cleaning Unit Ozone & etc	
Trafo High Voltage	Ya
Tube Generator	Ya.
Filter Cabinet Fan/Change	Ya.
Filter Cooling Water	Ya
Seal Check Valve	-

Step 6 - Recommendation/Note

* Spare part yg perlu di ganti dan spare.

1. lampu indikator power (putih) = 1.
2. flow meter vaccum 35(-/4b 55004500 = 1.
3. Reducer short DN 25x20 GF = 2
4. Reducer short DN 20x 15 GF = 2
5. Elbow DN 15 GF = 2.
6. socket DN 15 GF = 2.
7. pipa DN 15 GF = 1 mtr.
8. tem = ½.
9. Relay schneider 8A (spare) = 2
10. kontak tor 17k1, 17k2, 17k3. 20k1. = 4.
11. cover Acritic ~~880~~ x 555 x 14. = 1.
12. solenoid Valve 0256 A G1/2 (spare) = 1.
13. Solenoid Valve 0283 A G1 (spare) = 1.
14. selang ozone = 3 mtr.
15. Running hour = 1.