

SERVICE REPORT PREVENTIVE MAINTENANCE PRECISION AIR CONDITIONING (PAC) PT. HM SAMPOERNA SUKOREJO PLANT							FORM NO.		
Lokasi : LT3		Model Unit :		Team Engineer List : tes		Date : 2024-08-03			
Code unit : 12		No. Seri } : 12				Start PM : 06:10			
Nomor Unit : 83		Periode :				Close PM : 08:10			
CHECKLIST TEAM BRIEFING									
INTENSIVE SAFETY BRIEFING TEAM ? OK ? NOT OK									
A Filter Section									
	Item Checked	Spec. Range / Cond. Std.	Actual Checked		Item Checked	Spec. Range	Actual Checked		
	1. Check/Replace filters	Clean or Dirty	Clean		5. Clean condensate pan	Clean or Dirty	Clean		
	2. Grille area unrestricted	OK / Not OK	Ok		6. Clean trap in condensate drain	Clean or Dirty	Clean		
	3. Wipe section clean	Clean or Dirty	Clean		7. Check/Test filter-clog switch operation	Ok or No	Ok		
	4. Coil clean	Clean or Dirty	Clean						
B Blower Section									
	Item Checked	Spec. Range / Cond. Std.	Blower 1		Blower 2		Blower 3		Keterangan
			Before	After	Before	After	Before	After	
	1. Mounting bolts tight	Ok or No	OK	OK	OK	OK	OK	OK	OK
	2. Fan-guard bolts tight	Ok or No	OK	OK	OK	OK	OK	OK	OK
	3. Impeller spins freely	Ok or No	OK	OK	OK	OK	OK	OK	OK
	4. Check/Test air sail switch	Ok or No	OK	OK	OK	OK	OK	OK	OK
	5. Motor amp draw • Compare to nameplate amps	FLA L1 =.... A	L1	L1	L1	L1	L1	L1	l
		FLA L2 =.... A	L2	L2	L2	L2	L2	L2	l
		FLA L3 =.... A	L3	L3	L3	L3	L3	L3	l
	6. Check belt tension and condition	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok
	7. Check sheave/pulley	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok
C Reheat									
	Item Checked	Spec. Range / Cond. Std.	Heater 1		Heater 2		Heater 3		Keterangan
			Before	After	Before	After	Before	After	
	1. Reheat amp draw	FLA =.... A	l	l	l	l	l	l	l
	2. Check Heater Resistance	18-22 ohm	l	l	l	l	l	l	l
	3. Inspect elements	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok
	4. Check wire connections	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok
D Steam Generating Humidifier									
	Item Checked	Spec. Range	Actual Checked		Item Checked	Spec. Range	Actual Checked		
	1. Humidifier amp draw	..... A	l		4. Check condition of steam hose	Ok or No	Clean		
	2. Check drain valve/drain lines/trap for damage/clogs/leaks	Ok or No	Ok		5. Clean strainer	Ok or No	Clean		
	3. Check water fill valve and all supply lines/connection for leaks	Ok or No	Clean		6. Check humidifier bottle (Boiler tank)	Ok or No	Clean		
					7. Check operation of humidifier	Ok or No	Ok		
E Electrical Panel									
	Item Checked	Spec. Range / Cond. Std.	Actual Checked				Keterangan		
			Before		After				
	1. Check fuses	Ok or No	Ok		Ok		Ok		
	2. Check contactors for pitting (Replace if pitted)	Ok or No	Ok		Ok		Ok		

3.	Check/Re-torque wire connections	Ok	Ok	Ok
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E Electrical Panel									
	Item Checked	Spec. Range / Cond. Std.	Actual Checked		Keterangan				
			Before	After					
	4. Voltage Line to Neutral Ground	220 + 10%	L1/L2/L3 =1 V	L1/L2/L3 =1 V	1				
5. Voltage Line to Line	380 + 10%	L1L2/L2L3/L1L3 =1 V	L1L2/L2L3/L1L3 =1 V	1					
6. Frequency	50 + 10%	F =1 Hz	F =1 Hz	1					
F Controls									
	Item Checked	Spec. Range / Cond. Std.	Actual Checked	Item Checked	Spec. Range	Actual Checked			
	1. Check/Verify control operation	Ok or No	Ok	3. Check/Test water- detectiondevice	Ok or No	Ok			
	2. Check/Test changeover device	Ok or No	Ok	4. Check/Test CAN connection between indoor and outdoor units	Ok or No	Ok			
G Refrigeration Piping									
	Item Checked	Spec. Range	Actual Checked	Item Checked	Spec. Range	Actual Checked			
	1. Check refrigerant lines (clamps secure/no rubbing/no leaks)	Ok or No	Ok	3. Check for restriction temperature drop across filterdrier	Ok or No	Clean			
	2. Check for moisture (sight glass)	Ok or No	Ok						
H Compressor Section									
	Item Checked	Spec. Range / Cond. Std.	Comp. 1		Comp. 2		Comp. 3		Keterangan
			Before	After	Before	After	Before	After	
	1. Ampere draw	OA..... A	1	1	1	1	1	1	1
	2. Check oil level	55 - 90 PsiG	1	1	1	1	1	1	1
	3. Check for oil leaks	200 - 300 PsiG	1	1	1	1	1	1	1
	4. Check compressormounts (springs/bushings)	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok
	5. Cap tubes (not rubbing)	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok
	6. Check/Re-torque wireconnections (inside compressor box)	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok
	7. Compressor operation (vibration/noise)	..... Hz ..... dB	1	1	1	1	1	1	1
	8. Check crank-case heater fuses/operation	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok
	9. Check for refrigerantleaks	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok
	10. Suction pressureCircuit	55 - 90 PsiG	1	1	1	1	1	1	1
	11. Discharge PressureCircuit	200 - 300 PsiG	1	1	1	1	1	1	1
	12. Superheat Circuit	..... ?C	1	1	1	1	1	1	1
	13. Low-pressure switchcut out Circuit	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok
	14. Low pressure cut inCircuit	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok
	15. High pressure cut out Circuit	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok
	16. Sight Glass	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok

I Condensor Section					
	Item Checked	Spec. Range	Before	After	Keterangan
	1. Coil clean of debris (Clean coil if required)	Clean or Dirty	Clean	Clean	
	2. Fans free of debris	Clean or Dirty	Clean	Clean	
	3. Fans securely mounted	1	1	1	
	4. Motor bearings in good condition	1	1	1	
	5. Check all refrigerant lines for vibration isolation. Support as necessary	Ok or No	Ok	Ok	
	6. Check for refrigerant leaks	Ok or No	Ok	Ok	
	7. Check surge-protection device (if installed) status-indicator lights	Ok or No	Ok	Ok	
	8. Check/Re-torque wire connections	Ok or No	Ok	Ok	
	9. Check contactors for pitting (replace if pitted)	Ok or No	Ok	Ok	
	10. Verify operation sequence/set points	1	1	1	
	11. Charge verification:	1	1	1	
	a. Outdoor Ambient Temperature	1	1	1	
	b. Subcooling	1	1	1	
	c. Indoor-unit Return-air Temperature	1	1	1	
	d. Sight-glass level (if Lee-Temp or pumped refrigerant)	1	1	1	
	12. Motor amp draw	FLA = 1 A	L1/L2/L3 = 1 Amp	L1/L2/L3 = 1 Amp	

J General Function						
	Item Checked	Spec. Range	Actual Checked	Item Checked	Spec. Range	Actual Checked
	1. Cooling Test	Ok or No	Ok	4. Dehumidification Test	Ok or No	Ok
	2. Heating Test	Ok or No	Ok	5. Alarm Test	Ok or No	Ok
	3. Humidification Test	Ok or No	Ok			

K Room Condition						
	Item Checked	Spec. Range	Actual Checked	Item Checked	Spec. Range	Actual Checked
	1. Temperature	1 C	1	2. Humidity	1 %	1

NOTES	
Temuan : tes	
Rekomendasi : tes	

RESUME	
JOB COMPLETED ?	NO, please check on NOTES
RUNNING HOURS :	

APPROVAL SIGNING		
Approved by ISS,	Verified By Supervisor,	Service By Team Leader/Staf,
( _____ ) No. HP.	( _____ ) No. HP.	( _____ ) No. HP.

Keterangan : Lembar 1 untuk Teknisi; Lembar 2 untuk User; Lembar 3 Arsip Kantor