SERVICE REPORT PREVENTIVE MAINTENANCE PRECISION AIR CONDITIONING (PAC)

PT. HM SAMPOERNA SUKOREJO PLANT

Loka	si :	Model Unit :			Team Engine	er List :		Date :
		No. Seri :		Start PM:				
Nomor Unit :		Periode :		Close PM:				
CLIE	CKLICT TEAM DDIEFING							-
	CKLIST TEAM BRIEFING NSIVE SAFETY BRIEFING TEAM						OK	?
	INSIVE SAFETT BRIEFING TEAM	1				:	OK	f
Α	Filter Section							
	Item Checked	Spec. Range / Cond. Std.	Actual Ch	ecked	Item Che	cked	Spec. Range	Actua
	1. Check/Replace filters	Clean or Dirty			5. Clean conc pan		Clean or Dirty	
	2. Grille area unrestricted	OK / Not OK			6. Clean trap condensate of	drain	Clean or Dirty	
	3. Wipe section clean	Clean or Dirty		,	7. Check/Tes		Ok or No	
	4. Coil clean	Clean or Dirty			switch opera	tion	OK OF 140	
В	Blower Section							
	Item Checked	Spec. Range /	Blower	1	Blower	2	Blower	3
		Cond. Std.	Before	After	Before	After	Before	After
	1. Mounting bolts tight	Ok or No						
	2. Fan-guard bolts tight	Ok or No						
	3. Impeller spins freely	Ok or No						
	4. Check/Test air sail switch	Ok or No						
	5. Motor amp draw	FLA L1 = A	L1	L1	L1	L1	L1	L1
	Compare to nameplate	FLA L2 = A	L2	L2	L2	L2	L2	L2
	amps	FLA L3 = A	L3	L3	L3	L3	L3	L3
	6. Check belt tension and condition	Ok or No						
						1		
	7. Check sheave/pulley	Ok or No						
С	7. Check sheave/pulley Reheat	Ok or No						
С		Ok or No Spec. Range / Cond. Std.	Heater Before	1 After	Heater Before	2 After	Heater Before	3 After
С	Reheat Item Checked	Spec. Range /						
С	Reheat	Spec. Range / Cond. Std.						
С	Item Checked 1. Reheat amp draw 2. Check Heater	Spec. Range / Cond. Std. FLA =A						
С	Item Checked 1. Reheat amp draw 2. Check Heater Resistance	Spec. Range / Cond. Std. FLA = A 18-22 ohm						
C	Reheat Item Checked 1. Reheat amp draw 2. Check Heater Resistance 3. Inspect elements 4. Check wire connections	Spec. Range / Cond. Std. FLA = A 18-22 ohm Ok or No Ok or No						
	Reheat Item Checked 1. Reheat amp draw 2. Check Heater Resistance 3. Inspect elements 4. Check wire connections Steam Generating Humidifier Item Checked	Spec. Range / Cond. Std. FLA = A 18-22 ohm Ok or No Ok or No Spec. Range		After	Before	After After Checked	Before	After Spec. Range
	Reheat Item Checked 1. Reheat amp draw 2. Check Heater Resistance 3. Inspect elements 4. Check wire connections Steam Generating Humidifier Item Checked 1. Humidifier amp draw	Spec. Range / Cond. Std. FLA = A 18-22 ohm Ok or No Ok or No	Before	After	Before	After	Before	After Spec.
	Reheat Item Checked 1. Reheat amp draw 2. Check Heater Resistance 3. Inspect elements 4. Check wire connections Steam Generating Humidifier Item Checked	Spec. Range / Cond. Std. FLA = A 18-22 ohm Ok or No Ok or No Spec. Range	Before	After	Item 4. Check cor 5. Clean strain	After Checked Indition of stea	Before	After Spec. Range
	Item Checked 1. Reheat amp draw 2. Check Heater Resistance 3. Inspect elements 4. Check wire connections Steam Generating Humidifier Item Checked 1. Humidifier amp draw 2. Check drain valve/drain lines/trap for damage/clogs/leaks 3. Check water fill valve and all supply lines/connection for	Spec. Range / Cond. Std. FLA = A 18-22 ohm Ok or No Ok or No Spec. Range A	Before	After	Item 4. Check cor 5. Clean strain	After Checked	Before	Spec. Range Ok or No
D	Item Checked 1. Reheat amp draw 2. Check Heater Resistance 3. Inspect elements 4. Check wire connections Steam Generating Humidifier Item Checked 1. Humidifier amp draw 2. Check drain valve/drain lines/trap for damage/clogs/leaks 3. Check water fill valve and all supply lines/connection for leaks	Spec. Range / Cond. Std. FLA =	Before	After	Item 4. Check cor 5. Clean strai 6. Check huntank)	After Checked Indition of stea	m hose	Spec. Range Ok or No
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A Voltage Line to Neutral Ground Cand. Std. Before After		Item Checked	Spec. Range	Actual Checked					Keterangan	
4. Voltage Line to Noutral Crown Shoutral S. Voltage Line to Line 380 + 10% L11.23.13.11.13 =			Cond. Std.		Before	After				
Frequency So + 10% Fe Hz Fe Hz Fe Hz		Neutral		L1/L2/L3 =		V	L1/L2/L3 =		V	
Item Checked Spec. Range Cond. Std.		5. Voltage Line to Line	380 + 10%	L1L2/L2L3/L1L3 =		V L1L2/L2L3/L1L3 =		V		
Item Checked Spec. Range Cond. Std.			50 + 10%	F =		Hz	F =		Hz	
Cond. Std. Cond. Std.	F	Controls								
Check/Verify control operation Ok or No Ok or No		Item Checked	1	Actual	Checked	Item Checked			Actual Checked	
2. Check/respective Cok or No between indoor and outdoor units Cok or No outdo									Ok or No	
Item Checked Spec. Range Actual Checked Item Checked Spec. Range Actual Checked			Ok or No			between indoor and			Ok or No	
1. Check refrigerant lines (clamps secure/no rubbing/no leaks) 2. Check for moisture (sight glass) 1. Ampere draw OA	G	Refrigeration Piping								
1. Check refrigerant lines (clamps secure/no rubbing/no leaks) 2. Check for moisture (sight glass) 2. Check for moisture (sight glass) 3. Check for moisture (sight glass) 4. Compressor Section 55 - 90 PsiG 3. Check for il leaks 200 - 300 PsiG 4. Check compressor mounts (springs/bushings) 5. Cap tubes (not rubbing) 6. Check/Re-torque wire connections (inside compressor box) 7. Compressor operation (vibration/noise) 8. Check corp refrigerant leaks 0k or No 10. Suction pressure Circuit 200 - 300 PsiG 11. Discharge Pressure Circuit 200 - 300 PsiG 11. Discharge Pressure Circuit 200 - 300 PsiG		Item Checked	Spec. Range	Actual	Checked	It	tem Check	ed		Actual Checked
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2. Check for moisture (sight glass) H Compressor Section tem Checked Spec. Range Comp. 1 Comp. 2 Comp. 3 Keterangan		lines (clamps secure/no	Ok or No			temperatu	ire drop ac		Ok or No	
Sight glass Ok or No										
Compressor Section Item Checked Spec. Range Comp. 1 Comp. 2 Comp. 3 Keterangan			Ok or No							
Item Checked	Н									
Refer Checked Cond. Std. Before After Before After After Before After			Spec. Range	Con	np. 1	Cor	np. 2	Cor	np. 3	
1. Ampere draw OA		Item Checked	1				_		_	Keterangan
2. Check oil level 55 - 90 PsiG 3. Check for oil leaks 200 - 300 PsiG 4. Check compressor mounts (springs/bushings) 5. Cap tubes (not rubbing) 6. Check/Re-torque wire connections (inside compressor box) 7. Compressor operation (vibration/noise) 8. Check crank-case heater fuses/operation 9. Check for refrigerant leaks 10. Suction pressure Circuit 55 - 90 PsiG 11. Discharge Pressure Circuit 200 - 300 PsiG	ŀ	4.4								
3. Check for oil leaks 200 - 300 PsiG 4. Check compressor mounts (springs/bushings) 5. Cap tubes (not rubbing) 6. Check/Re-torque wire connections (inside compressor box) 7. Compressor operation (vibration/noise) 8. Check crank-case heater fuses/operation 9. Check for refrigerant leaks 10. Suction pressure Circuit 55 - 90 PsiG 11. Discharge Pressure Circuit 200 - 300 PsiG										
4. Check compressor mounts (springs/bushings) 5. Cap tubes (not rubbing) 6. Check/Re-torque wire connections (inside compressor box) 7. Compressor operation (vibration/noise) 8. Check crank-case heater fuses/operation 9. Check for refrigerant leaks 10. Suction pressure Circuit Circuit Ok or No										
Pubbing		4. Check compressor mounts								
wire connections (inside compressor box) 7. Compressor Hz dB 8. Check crank-case heater fuses/operation 9. Check for refrigerant leaks Ok or No 10. Suction pressure Circuit 55 - 90 PsiG			Ok or No							
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(vibration/noise) 8. Check crank-case heater fuses/operation 9. Check for refrigerant leaks Ok or No 10. Suction pressure Circuit 55 - 90 PsiG 11. Discharge Pressure Circuit 200 - 300 PsiG			Hz							
8. Check crank-case heater fuses/operation 9. Check for refrigerant leaks Ok or No 10. Suction pressure Circuit 55 - 90 PsiG 11. Discharge Pressure Circuit 200 - 300 PsiG			dB							
refrigerant leaks Ok or No 10. Suction pressure Circuit 55 - 90 PsiG 11. Discharge Pressure Circuit 200 - 300 PsiG		8. Check crank-case heater	Ok or No							
Circuit 55 - 90 PSIG 11. Discharge Pressure Circuit 200 - 300 PsiG			Ok or No							
Circuit 200 - 300 PsiG			55 - 90 PsiG							
		11. Discharge Pressure Circuit	200 - 300 PsiG							
12. Superheat Circuit ?C		12. Superheat Circuit	?C							
13. Low-pressure switch cut out Circuit Ok or No			Ok or No							
14. Low pressure cut in Circuit Ok or No		-	Ok or No							
15. High pressure cut Ok or No Circuit					· · · · · · · · · · · · · · · · · · ·					
16. Sight Glass Ok or No		out Circuit	Ok or No							

1. Coil clean of debi	ecked	Spec. Range	Before	AI	ter	Keterangan
coil if required)	is (Clean	Clean or Dirty				
2. Fans free of debr	is	Clean or Dirty				
3. Fans securely mo	ounted					
4. Motor bearings in						
5. Check all refriger vibration		Ok or No				
isolation. Support a		01 11				
6. Check for refriger		Ok or No				
7. Check surge-prot device (if installed) indicator lights	status-	Ok or No				
8. Check/Re-torque	wire connections	Ok or No				
9. Check contactors (replace if pitted)		Ok or No				
10. Verify operation points						
11. Charge verificat						
a. Outdoor Ambient	Temperature					
b. Subcooling						
c. Indoor-unit Retur	•					
d. Sight-glass level Temp or pumped re	(if Lee- efrigerant)				\/\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
12. Motor amp draw		FLA = A	L1/L2/L3 = Amp		2/L3 = Amp	
J General Function						
Item Checked	Spec. Range	Actual Checked	Item Check		Spec. Range	Actual Checked
1. Cooling Test	Ok or No		4. Dehumidification	Test	Ok or No	
2. Heating Test	Ok or No		5. Alarm Test		Ok or No	
3. Humidification Te K Room Condition	est Ok or No					
K Koom Condition		Astrol Olerated	Item Check	ed	Spec. Range	Actual Checked
Item Checked	Spec. Range	Actual Checked	item Check			
Item Checked 1. Temperature	Spec. Range		2. Humidity		%	
1. Temperature Temuan :		NOT	2. Humidity			
1. Temperature		NOT	2. Humidity ≡S			
1. Temperature Temuan :	?C		2. Humidity ES	RUNNING	%	
1. Temperature Temuan : Rekomendasi :	?C	NOT RESU ? NO, please check	2. Humidity ES IME on NOTES	RUNNING	%	
1. Temperature Temuan : Rekomendasi :	?C	NOT	2. Humidity ES ME on NOTES SIGNING	RUNNING	% HOURS :	Service By m Leader/Staf,