SERVICE REPORT PREVENTIVE MAINTENANCE PRECISION AIR CONDITIONING (PAC) PT. HM SAMPOERNA SUKOREJO PLANT

Loka	si :	Model Unit:			Team Engine	er List :		Date :	
Code	e unit :	No. Seri :			1			Start PM:	_
Nom	or Unit :	Periode :						Close PM:	_
					•	1	1	!	=
	CKLIST TEAM BRIEFING								
INTE	NSIVE SAFETY BRIEFING TEAM	Λ				?	OK	?	, N
Α	Filter Section								
		Spec. Range /	A storal Ol		l Ol	.1 . 1	Spec.	A(- 1 /
	Item Checked	Cond. Std.	Actual Ch	ескеа	Item Che	скеа	Range	Actua	ai (
	1 Charles filters	Class or Dirt			5. Clean cond	densate	Clean or		
	1. Check/Replace filters	Clean or Dirty			pan		Dirty		
	2. Grille area unrestricted	OK / Not OK			6. Clean trap		Clean or		
					condensate		Dirty		
	3. Wipe section clean	Clean or Dirty			7. Check/Tes switch opera		Ok or No		
	4. Coil clean	Clean or Dirty			Switch opera	tion			
В	Blower Section			_				_	
	Item Checked	Spec. Range /	Blower		Blower		Blower		4
		Cond. Std.	Before	After	Before	After	Before	After	
	1. Mounting bolts tight	Ok or No							L
	2. Fan-guard bolts tight	Ok or No							┡
	3. Impeller spins freely	Ok or No							L
	4. Check/Test air sail	Ok or No							
	switch								┡
	5. Motor amp draw	FLA L1 = A	L1	L1	L1	L1	L1	L1	L
	Compare to nameplate	FLA L2 = A	L2	L2	L2	L2	L2	L2	L
	amps	FLA L3 = A	L3	L3	L3	L3	L3	L3	L
	6. Check belt tension and condition	Ok or No							
	7. Check sheave/pulley	Ok or No							Г
С	7. Check sheave/pulley Reheat	Ok or No							
С	Reheat	Ok or No Spec. Range /	Heater	1	Heater	2	Heater	3	
С			Heater Before	1 After	Heater Before	2 After	Heater Before	3 After	
С	Reheat	Spec. Range /							
С	Reheat Item Checked	Spec. Range / Cond. Std. FLA =A							
С	Reheat Item Checked 1. Reheat amp draw	Spec. Range / Cond. Std.							
С	Reheat 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							
	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							
C	Reheat Item Checked 1. Reheat amp draw 2. Check Heater Resistance 3. Inspect elements	Spec. Range / Cond. Std. FLA = A 18-22 ohm Ok or No Ok or No		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	Before	After After	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	Spec. Range / Cond. Std. FLA =	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 1. Humidifier amp draw	Spec. Range / Cond. Std. FLA = A 18-22 ohm Ok or No Ok or No Spec. Range	Before	After	Before	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 2. Check drain	Spec. Range / Cond. Std. FLA =	Before	After	Item 4. Check cor	After Checked	Before	Spec. Range 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 1. Humidifier amp draw 2. Check drain valve/drain lines/trap for damage/clogs/leaks	Spec. Range / Cond. Std. FLA =	Before	After	Item 4. Check cor 5. Clean stra	After Checked	Before m hose	Spec. Range 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 1. Humidifier amp draw 2. Check drain valve/drain lines/trap for damage/clogs/leaks 3. Check water fill valve and	Spec. Range / Cond. Std. FLA =	Before	After	Item 4. Check cor 5. Clean stra	After Checked Indition of stea	Before m hose	Spec. Range Ok or No	
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D	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 2. Check drain valve/drain lines/trap for damage/clogs/leaks 3. Check water fill valve and all supply lines/connection for leaks Electrical Panel Item Checked 1. Check fuses 2. Check contactors for	Spec. Range / Cond. Std. FLA =	Before	ecked	Item 4. Check cor 5. Clean stra 6. Check huntank) 7. Check ope	After Checked In Checked Indition of steal Indirection of hum Pration of hum	m hose (Boiler	Spec. Range Ok or No Ok or No	

	Item Checked	Spec. Range	Actual Checked				Keterangan		
		Cond. Std.	Before		After				ŭ
•	4. Voltage Line to Neutral Ground	220 + 10%	L1/L2/L3 =		V	L1/L2/L3 =		V	
			.1L3 = V L1L2/		L1L2/L2L3/L	.1L2/L2L3/L1L3 =V			
	6. Frequency	50 + 10%	F =		Hz			Hz	
F	Controls								
	Item Checked	Spec. Range / Cond. Std.	Actual Checked		Item Checked		Spec. Range	Actual Checked	
	1. Check/Verify control operation	Ok or No			3. Check/Test water-detection device			Ok or No	
	2. Check/Test changeover device	Ok or No			4. Check/Test CAN connection between indoor and outdoor units			Ok or No	
G	Refrigeration Piping								
	Item Checked	Spec. Range	Actual	Checked	It	tem Check	ed	Spec. Range	Actual Checked
	1. Check refrigerant							Kange	
	lines (clamps secure/no rubbing/no leaks)	Ok or No				for restrict ure drop ac r		Ok or No	
	2. Check for moisture				1 2 20				
	(sight glass)	Ok or No							
	Compressor Section	Cura Banna	Com	an 1	Cor	··· 2	Cor		
	Item Checked	Spec. Range	Con	np. 1	Cor	np. 2	Cor	np. 3	Keterangan
		Cond. Std.	Before	After	Before	After	Before	After	
	1. Ampere draw	OA A							
,	2. Check oil level	55 - 90 PsiG							
	3. Check for oil leaks	200 - 300 PsiG							
	4. Check compressor mounts (springs/bushings)	Ok or No							
	5. Cap tubes (not rubbing)	Ok or No							
	6. Check/Re-torque wire connections (inside compressor box)	Ok or No							
	7. Compressor	Hz							
	operation (vibration/noise)	dB							
	8. Check crank-case heater fuses/operation	Ok or No							
	9. Check for refrigerant leaks	Ok or No							
	10. Suction pressure Circuit	55 - 90 PsiG							
	11. Discharge Pressure Circuit	200 - 300 PsiG							
	12. Superheat Circuit	?C							
	13. Low-pressure switch cut out Circuit	Ok or No							
	14. Low pressure cut in Circuit	Ok or No							
	15. High pressure cut out Circuit	Ok or No							
	16. Sight Glass	Ok or No							

	Item Check	ed	Spec. Range	Before	A1	ter	Keterangan
	Coil clean of debris (Clean coil if required)		Clean or Dirty				
	2. Fans free of debris		Clean or Dirty				
	3. Fans securely mount	ed	·				
	4. Motor bearings in go	od condition					
	5. Check all refrigerant lines for vibration		Ok or No				
	isolation. Support as necessary		OLN.				
	6. Check for refrigerant		Ok or No				
	7. Check surge-protecti device (if installed) sta indicator lights	tus-	Ok or No				
	8. Check/Re-torque wire	connections	Ok or No				
	9. Check contactors for pitting (replace if pitted)		Ok or No				
	10. Verify operation sec						
	11. Charge verification:						
	a. Outdoor Ambient Ter	nperature					
\vdash	b. Subcooling	- T					
	c. Indoor-unit Return-ai						
	d. Sight-glass level (if L Temp or pumped refriç				1.0	.//.0	
	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	
		<u> </u>		l – – .			
	2. Heating Test	Ok or No		5. Alarm Test		Ok or No	
	2. Heating Test 3. Humidification Test	Ok or No Ok or No		5. Alarm Test		Ok or No	
	2. Heating Test		Actual Checked	5. Alarm Test Item Check	ed	Spec. Range	Actual Checked
	2. Heating Test 3. Humidification Test Room Condition	Ok or No		Item Check	ed	Spec.	Actual Checked
K	2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature nuan :	Ok or No Spec. Range	Actual Checked	Item Check	ed	Spec. Range	Actual Checked
K	Heating Test Humidification Test Room Condition Item Checked Temperature	Ok or No Spec. Range	NOTI	Item Check 2. Humidity ≅S	ed	Spec. Range	Actual Checked
Tem	2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature nuan :	Ok or No Spec. Range?C		Item Check 2. Humidity ES	ed RUNNING	Spec. Range	Actual Checked
Tem	2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature nuan :	Ok or No Spec. Range?C	RESU ? NO, please check	Item Check 2. Humidity ES ME on NOTES		Spec. Range	Actual Checked
Tem	2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature nuan :	Ok or No Spec. Range?C	NOTI	Item Check 2. Humidity ES ME on NOTES SIGNING y		Spec. Range	Actual Checked Service By n Leader/Staf,
K Tem	2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature huan: Omendasi: JOB COMPLETED ?	Ok or No Spec. Range?C	RESU ? NO, please check APPROVAL Verified B	Item Check 2. Humidity ES ME on NOTES SIGNING y		Spec. Range	Service By n Leader/Staf,