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

Lona	si :	Model Unit :			Team Engine	er List :		Date :	
Code	unit :	No. Seri :						Start PM:	
Nome	or Unit :	Periode :						Close PM:	
	CKLIST TEAM BRIEFING						2014		
INTE	INSIVE SAFETY BRIEFING TEAM	Л				· ·	OK	`?	, N
Α	Filter Section								
	Item Checked	Spec. Range / Cond. Std.	Actual Ch	necked	Item Che	cked	Spec. Range	Actu	al (
	1. Check/Replace filters	Clean or Dirty			5. Clean con pan	densate	Clean or Dirty		
	2. Grille area unrestricted	OK / Not OK			6. Clean trap condensate	drain	Clean or Dirty		
	3. Wipe section clean	Clean or Dirty		1	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 / Cond. Std.	Blower Before	r 1 After	Blower Before	After	Blower Before	After	
	1. Mounting bolts tight	Ok or No							Г
	2. Fan-guard bolts tight	Ok or No							Г
	3. Impeller spins freely	Ok or No							Г
	4. Check/Test air sail switch	Ok or No							
	5. Motor amp draw	FLA L1 = A	L1	L1	L1	L1	L1	L1	T
	Compare to nameplate	FLA L2 = A	L2	L2	L2	L2	L2	L2	T
	amps	FLA L3 = A	L3	L3	L3	L3	L3	L3	T
	6. Check belt tension and condition	Ok or No							
	7. Check sheave/pulley	Ok or No							T
С	Reheat								
		Spec. Range /	Heater	1	Heater	2	Heater	3	
	Item Checked	Cond. Std.	Before	After	Before	After	Before	After	1
	1. Reheat amp draw	FLA = A							Г
	2. Check Heater	40.00 .1							
	Resistance	18-22 ohm							
	Resistance 3. Inspect elements	Ok or No							H
D	Inspect elements Check wire connections	Ok or No							
D	3. Inspect elements	Ok or No	Actual Ch	necked	Iten	n Checked		Spec. Range	
D	3. Inspect elements 4. Check wire connections Steam Generating Humidifier Item Checked 1. Humidifier amp draw	Ok or No Ok or No	Actual Ch	necked		n Checked	am hose		
D	3. Inspect elements 4. Check wire connections Steam Generating Humidifier Item Checked 1. Humidifier amp draw 2. Check drain valve/drain lines/trap for	Ok or No Ok or No Spec. Range	Actual Ch	necked		ndition of stea	am hose	Range	
D	3. Inspect elements 4. Check wire connections Steam Generating Humidifier Item Checked 1. Humidifier amp draw 2. Check drain	Ok or No Ok or No Spec. RangeA Ok or No	Actual Ch	necked	4. Check cor 5. Clean stra	ndition of stea		Range Ok or No	
	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	Ok or No Ok or No Spec. RangeA Ok or No	Actual Ch	necked	4. Check con 5. Clean stra 6. Check hurtank)	ndition of stea	(Boiler	Range Ok or No Ok or No	
	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	Ok or No Ok or No Spec. RangeA Ok or No	Actual Ch	necked	4. Check con 5. Clean stra 6. Check hurtank)	ndition of stea	(Boiler	Range Ok or No Ok or No Ok or No	
	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	Ok or No Ok or No Spec. RangeA Ok or No Ok or No			4. Check cor 5. Clean stra 6. Check hur tank) 7. Check ope	ndition of stea	(Boiler	Range Ok or No Ok or No Ok or No	
	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	Ok or No Ok or No Spec. RangeA Ok or No Ok or No Spec. Range / Cond. Std.		necked	4. Check cor 5. Clean stra 6. Check hur tank) 7. Check ope	ndition of stea iner nidifier bottle eration of hum	(Boiler	Range Ok or No Ok or No Ok or No	
	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	Ok or No Ok or No Spec. RangeA Ok or No Ok or No			4. Check cor 5. Clean stra 6. Check hur tank) 7. Check ope	ndition of stea iner nidifier bottle eration of hum	(Boiler nidifier	Range Ok or No Ok or No Ok or No	
	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	Ok or No Ok or No Spec. RangeA Ok or No Ok or No Spec. Range / Cond. Std.			4. Check cor 5. Clean stra 6. Check hur tank) 7. Check ope	ndition of stea iner nidifier bottle eration of hum	(Boiler nidifier	Range Ok or No 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	
	5. Voltage Line to Line	380 + 10%	L1L2/L2L3/L1L3 =		V	V L1L2/L2L3/L1L3 =		V	
	6. Frequency	50 + 10%	F =		Hz	F =		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							
1	16. Sight Glass	Ok or No							

	Item Check	ed	Spec. Range	After Keterangan			
	Coil clean of debris (Clean coil if required) 2 Fans from of debris		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 isolation. Support as necessary		Ok or No				
			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 (replace if pitted)	pitting	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,