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

Loka	ISI:	Model Unit :			Leam Engine	er List :		Date :	
Cod	e unit :	No. Seri :						Start PM:	
Nom	or Unit :	Periode :						Close PM:	
OHE	CIVILICA TEAM DRIFFING							-	_
	ECKLIST TEAM BRIEFING ENSIVE SAFETY BRIEFING TEAM						? OK		, l
11416	ENSIVE SAFETT BRIEFING TEAM	1					OK		יו
Α	Filter Section								
	Item Checked	Spec. Range / Cond. Std.	Actual Ch	necked	Item Che	cked	Spec. Range	Actu	al
					5. Clean con	densate	Clean or		_
	1. Check/Replace filters	Clean or Dirty			pan		Dirty		
	2. Grille area unrestricted	OK / Not OK			6. Clean trap condensate	drain	Clean or Dirty		
	3. Wipe section clean	Clean or Dirty				st filter- clog	Ok or No		
	4. Coil clean	Clean or Dirty			switch opera	ition	OK OF 140		
В	Blower Section								L
	Item Checked	Spec. Range / Cond. Std.	Blower Before	r 1 After	Blowe	r 2 After	Blowe Before	r 3 After	
	1. Mounting bolts tight	Ok or No							T
	2. Fan-guard bolts tight	Ok or No							T
	3. Impeller spins freely	Ok or No							T
	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			1					t
	condition	Ok or No							
ł	7. Check sheave/pulley	Ok or No							t
С	Reheat	OK OF 140							L
		Spec. Range /	Heater	1	Heater	. 2	Heater	. 3	Ī
	Item Checked	Cond. Std.	Before	After	Before	After	Before	After	1
	1. Reheat amp draw	FLA = A							T
Ī	2. Check Heater	40.00 abas							Γ
	Resistance	18-22 ohm							
Ī	3. Inspect elements	Ok or No							T
	4. Check wire connections	Ok or No							Ī
D	Steam Generating Humidifier								
	Item Checked	Spec. Range	Actual Checked		Iten	Spec. Range			
	1. Humidifier amp draw	A			4. Check co	ndition of stea	m hose	Ok or No	t
f	2. Check drain							0.000.00	t
	valve/drain lines/trap for damage/clogs/leaks	Ok or No			5. Clean stra	iner		Ok or No	
					6. Check hur	nidifier bottle	(Boiler Ok or No	<u> </u>	T
	3. Check water fill valve and all supply lines/connection for	Ok or No			tank)			Ok or No	
	leaks				7. Check ope	eration of hum	nidifier	Ok or No	
	Floatrical Band								
Е	Electrical Panel	Sman Dames /	Actual Checked						f
	Item Checked	Spec. Range / Cond. Std.		Before	Actual	lieckeu	After		-
	1. Check fuses	Ok or No		Deloie			AILGI		H
	2. Check contactors for			-	-				t
	pitting (Replace if pitted)	Ok or No							ĺ
			-			 	1		H
	3. Check/Re-torque wire								

E	Electrical Panel								
	Item Checked	Spec. Range	Actual (Checked			Keterangan
İ		Cond. Std.	Before		After			3	
	4. Voltage Line to	Jona. Ju.							
	Neutral Ground	220 + 10%	L1/L2/L3 =		V	/ L1/L2/L3 =		V	
	5. Voltage Line to Line	380 + 10%	L1L2/L2L3/L1L3 =		V L1L2/L2L3/L1L3 =			V	
i	6. Frequency	50 + 10%	F =						
F	Controls								
	Item Checked	Spec. Range	Actual Checked		Item Checked		Spec. Range	Actual Checked	
		Cond. Std.							
	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	ı	tem Check	ed	Spec. Range	Actual Checked
	1. Check refrigerant lines (clamps secure/no rubbing/no leaks)	Ok or No			3. Check for restriction temperature drop across filter drier			Ok or No	
	2. Check for moisture (sight glass)	Ok or No							
Н	Compressor Section								
	Item Checked	Spec. Range	Comp. 1		Comp. 2		Comp. 3		Keterangan
	item Checked	/	Before	After	Before	After	Before	After	Reterangan
l	4. A many a may almost a	Cond. Std.							
	1. Ampere draw 2. Check oil level	OA A							
1		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 operation	Hz dB							
	(vibration/noise) 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							
1	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							
	- 5				!	<u> </u>	l .		

Ш	Condensor Section						
	Item Check	red	Spec. Range	Before	At	fter	Keterangan
1	1. Coil clean of debris (Clean					
L	coil if required)		Clean or Dirty				
	2. Fans free of debris		Clean or Dirty				
	3. Fans securely mounted						
匚	4. Motor bearings in good condition						
	5. Check all refrigerant lines for vibration		Ok or No				
1	isolation isolation. Support as necessary		3.1.2.1.3				
\vdash	6. Check for refrigerant leaks		Ok or No				
\vdash	7. Check surge-protection						
	device (if installed) status-		Ok or No				
匚	indicator lights						
<u> </u>	8. Check/Re-torque wire connections		Ok or No	ļ			
1	9. Check contactors for pitting		Ok or No				
$ldsymbol{ldsymbol{ldsymbol{eta}}}$	(replace if pitted)		3				
	10. Verify operation sec	quence/set					
\vdash	points 11. Charge verification:						
\vdash	a. Outdoor Ambient Te						
\vdash	b. Subcooling	inperature					
\vdash	c. Indoor-unit Return-ai	r Temperature					
H	d. Sight-glass level (if L						
1	Temp or pumped refrig						
\vdash	· · · ·	,		L1/L2/L3 =	L1/L2	2/L3 =	
L	12. Motor amp draw		FLA = A	Amp		Amp	
J	General Function						
	Item Checked		Actual Checked	Item Check	red	Spec.	Actual Checked
_		Spec. Range	Actual Checked			Range	Actual Checked
	1. Cooling Test Ok or No			4. Dehumidification	Test	Ok or No	
		2. Heating Test Ok or No					
	2. Heating Test	Ok or No		5. Alarm Test		Ok or No	
	Heating Test Humidification Test			5. Alarm Test		Ok or No	
K	2. Heating Test	Ok or No					
K	Heating Test Humidification Test	Ok or No	Actual Checked	5. Alarm Test Item Check	æd	Spec.	Actual Checked
K	2. Heating Test 3. Humidification Test Room Condition	Ok or No Ok or No Spec. Range	Actual Checked		ked		Actual Checked
К	2. Heating Test 3. Humidification Test Room Condition Item Checked	Ok or No Ok or No	Actual Checked	Item Check	sed	Spec. Range	Actual Checked
	2. Heating Test 3. Humidification Test Room Condition Item Checked	Ok or No Ok or No Spec. Range		Item Check	xed	Spec. Range	Actual Checked
	2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature	Ok or No Ok or No Spec. Range		Item Check	ed	Spec. Range	Actual Checked
	2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature	Ok or No Ok or No Spec. Range		Item Check	ced	Spec. Range	Actual Checked
	2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature	Ok or No Ok or No Spec. Range		Item Check	sed	Spec. Range	Actual Checked
	2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature	Ok or No Ok or No Spec. Range		Item Check	ked	Spec. Range	Actual Checked
Ter	2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature	Ok or No Ok or No Spec. Range		Item Check	ced	Spec. Range	Actual Checked
Ter	2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature muan :	Ok or No Ok or No Spec. Range		Item Check	æd	Spec. Range	Actual Checked
Ter	2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature muan :	Ok or No Ok or No Spec. Range		Item Check	sed	Spec. Range	Actual Checked
Ter	2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature muan :	Ok or No Ok or No Spec. Range		Item Check	ced	Spec. Range	Actual Checked
Ter	2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature muan :	Ok or No Ok or No Spec. Range		Item Check	ced	Spec. Range	Actual Checked
Ter	2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature muan :	Ok or No Ok or No Spec. Range	NOT	Item Check 2. Humidity ES	ced	Spec. Range	Actual Checked
Ter	2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature muan :	Ok or No Ok or No Spec. Range		Item Check 2. Humidity ES	ed	Spec. Range	Actual Checked
Ter	2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature muan :	Ok or No Ok or No Spec. Range?C	NOT	Item Check 2. Humidity ES		Spec. Range	Actual Checked
Ter	2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature muan :	Ok or No Ok or No Spec. Range?C	NOT RESU ? NO, please check	Item Check 2. Humidity ES JME on NOTES		Spec. Range	Actual Checked
Ter	2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature muan : Comendasi :	Ok or No Ok or No Spec. Range?C	RESU ? NO, please check APPROVAL	Item Check 2. Humidity ES JME on NOTES SIGNING		Spec. Range	
Ter	2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature muan : Comendasi : JOB COMPLETED ?	Ok or No Ok or No Spec. Range?C	RESU ? NO, please check APPROVAL Verified B	Item Check 2. Humidity ES JME on NOTES SIGNING		Spec. Range	Service By
Ter	2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature muan : Comendasi :	Ok or No Ok or No Spec. Range?C	RESU ? NO, please check APPROVAL	Item Check 2. Humidity ES JME on NOTES SIGNING		Spec. Range	
Ter	2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature muan : Comendasi : JOB COMPLETED ?	Ok or No Ok or No Spec. Range?C	RESU ? NO, please check APPROVAL Verified B	Item Check 2. Humidity ES JME on NOTES SIGNING		Spec. Range	Service By
Ter	2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature muan : Comendasi : JOB COMPLETED ?	Ok or No Ok or No Spec. Range?C	RESU ? NO, please check APPROVAL Verified B	Item Check 2. Humidity ES JME on NOTES SIGNING		Spec. Range	Service By
Ter	2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature muan : Comendasi : Approved by ISS,	Ok or No Ok or No Spec. Range?C	RESU ? NO, please check APPROVAL Verified B Supervisor	Item Check 2. Humidity ES JME on NOTES SIGNING		Spec. Range	Service By m Leader/Staf,
Rel	2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature muan : Comendasi : JOB COMPLETED ?	Ok or No Ok or No Spec. Range?C	RESU ? NO, please check APPROVAL Verified B	Item Check 2. Humidity ES JME on NOTES SIGNING		Spec. Range	Service By m Leader/Staf,