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

.oka	ISI:	Model Unit :			leam Engine	er List :		Date	<u>:</u>
		No. Seri :				Start PM:			
lomor Unit :		Periode :				Close PM:			
	CKLIST TEAM BRIEFING								0 N
NIE	ENSIVE SAFETY BRIEFING TEAM	П				?	OK		? N
Α	Filter Section								
	Item Checked	Spec. Range / Cond. Std.	Actual Ch	necked	Item Che	ecked	Spec. Range	Actu	ıal (
	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				st filter- clog	Ok or No		
	4. Coil clean	Clean or Dirty			switch opera	ition	OKOTNO		
В	Blower Section								
	Item Checked	Spec. Range /	Blower	r_1	Blowe	r 2	Blower	3	
	item checked	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	T
	Compare to nameplate	FLA L2 = A	L2	L2	L2	L2	L2	L2	T
	amps	FLA L3 = A	L3	L3	L3	L3	L3	L3	十
	6. Check belt tension and condition	Ok or No							
	7. Check sheave/pulley	Ok or No							T
;	Reheat								
	Itam Chaskad	Spec. Range /	Heater	1	Heater	r 2	Heater	3	
	Item Checked	Cond. Std.	Before	After	Before	After	Before	After	
	1. Reheat amp draw	FLA = A							
	2. Check Heater Resistance	18-22 ohm							
	3. Inspect elements	Ok or No							十
	4. Check wire connections	Ok or No							
D	Steam Generating Humidifier								Ė
	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	Т
	2. Check drain valve/drain lines/trap for damage/clogs/leaks	Ok or No			5. Clean stra	iner		Ok or No	
	3. Check water fill valve and all supply lines/connection for	Ok or No			6. Check hur tank)	midifier bottle	(Boiler	Ok or No	I
	leaks				7. Check ope	eration of hum	idifier	Ok or No	
F	Electrical Panel								
		Spec. Range /			Actual	Checked			T
	Itama Chacles d	opeo. Range /							

Before

After

Item Checked

2. Check contactors for

pitting (Replace if pitted)
3. Check/Re-torque wire

1. Check fuses

connections

Cond. Std.

Ok or No

Ok or No

Ok or No

Ε	Electrical Panel								
		Spec. Range	Actual Checked					Voterensen	
	Item Checked	/		Before		After			Keterangan
		Cond. Std.					711101		
	4. Voltage Line to Neutral	000 400/			\ /				
	Ground	220 + 10%	L1/L2/L3 =		V	L1/L2/L3 =		V	
	5. Voltage Line to Line	380 + 10%	L1L2/L2L3/L1	L3 =	V	L 1L 2/L 2L 3/L	1L3 =	V	
	6. Frequency	50 + 10%	F =						
F	Controls	00 / 10/0							
	Item Checked	Spec. Range	Astual	Oh a alsa si		(Ob	a al	Spec.	A stud Charles
	item Checked		Actual	I Checked Item		em Checked		Range	Actual Checked
		Cond. Std.		0.01					
	1. Check/Verify control operation	Ok or No			3. Check/Te		est water-detection		
	Орегация					_			
	2. Check/Test				4. Check/Test CAN connection				
	changeover device	Ok or No			between indoor and		Ok or No		
	Defrigeration Dining				outdoor	outdoor units			
G	Refrigeration Piping							Spec.	
	Item Checked	Spec. Range	Actual	Checked	ŀ	tem Check	ed	Range	Actual Checked
	1. Check refrigerant								
	lines	Ok or No				for restrict			
	(clamps secure/no rubbing/no leaks)				filter drie	ıre drop ad	ross	Ok or No	
					initer ane	ſ			
	2. Check for moisture	Ok or No							
Ŀ	(sight glass) Compressor Section								
	Compressor Section	Spec. Range	Con	np. 1	Cor	np. 2	Cor	np. 3	
	Item Checked	opec. Kange						пр. 5	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	Ok or No							
	(springs/bushings)								
	F. Can tubes (not	Ok or No							
	5. Cap tubes (not	OK OF NO							
	rubbing)								
	6. Check/Re-torque wire connections								
	(inside compressor	Ok or No							
	box)								
	7. Compressor operation	Hz							
	(vibration/noise)	dB							
	8. Check crank-case	0' ''							
	heater	Ok or No							
	fuses/operation 9. Check for								
	refrigerant leaks	Ok or No							
	10. Suction pressure								
	Circuit	55 - 90 PsiG							
		<u> </u>							
	11. Discharge Pressure Circuit	200 - 300 PsiG							
	12. Superheat Circuit	?C							
	13. Low-pressure	······································							
	switch cut out Circuit	Ok or No							
		<u> </u>							
	14. Low pressure cut in Circuit	Ok or No							
	15. High pressure cut out	Ok or No							
	Circuit								
	16. Sight Glass	Ok or No							
			1						

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		3.1.2.1.0				
\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 sequence/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,