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

.OKa	SI .	Model Offit.				ream Engine	er List :		Date .	
Code	e unit :	No. Seri :							Start PM:	
lomor Unit :		Periode :							Close PM:	
				1					-	
HE	CKLIST TEAM BRIEFING									
NTE	NSIVE SAFETY BRIEFING TEAM	1					?	OK	?	N
			-							
Α	Filter Section								,	
	Item Checked	Spec. Range /	Actual	Checked	Ч	Item Che	cked	Spec.	Actu	al (
	nem onecked	Cond. Std.	Actual	OH CORC	<u> </u>	item one		Range	Actu	
	1. Check/Replace filters	Clean or Dirty				5. Clean con	densate	Clean or		
	1. Check/Replace lillers	Clean of Dirty				pan		Dirty		
	2 Cuilla area un rectricte d	01// 11/1/ 01/				6. Clean trap	in	Clean or		
	2. Grille area unrestricted	OK / Not OK				condensate	drain	Dirty		
	3. Wipe section clean	Clean or Dirty				7. Check/Tes		O. N.		
	4. Coil clean	Clean or Dirty				switch opera	tion	Ok or No		
В	Blower Section		ı						ı	
		Spec. Range /	Blov	Blower 1		Blower 2		Blower 3		
	Item Checked	Cond. Std.	Befor		After	Before	After	Before	After	
	4. Manustin or brake stocks		Beloi	E	Aitei	Belore	Aitei	Belore	Aitei	H
	1. Mounting bolts tight	Ok or No	ļ							L
	2. Fan-guard bolts tight	Ok or No								
	3. Impeller spins freely	Ok or No								
	4. Check/Test air sail	Ok or No								
	switch	OK OF INO								
	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	Г
	amps	FLA L3 = A	L3	L3		L3	L3	L3	L3	
	6. Check belt tension and			+						H
	condition	Ok or No								
		Ol. an Na		-						H
_	7. Check sheave/pulley	Ok or No								
Reheat										
	Item Checked	Spec. Range /							eater 3	
		Cond. Std.	Befor	е	After	Before	After	Before	After	
	1. Reheat amp draw	FLA = A								
	2. Check Heater	18-22 ohm								
	Resistance	10-22 01111								
	3. Inspect elements	Ok or No								
		,								
	4. Check wire connections	Ok or No								
D	Steam Generating Humidifier									
									Spec.	
	Item Checked	Spec. Range	Actual	Checked	d	Item	n Checked		Range	
	1. Humidifier amp draw	A				4 Check cor	ndition of stea	m hose	Ok or No	Г
	2. Check drain					1 0110011001			0.00.00	H
	valve/drain lines/trap for	Ok or No				5. Clean stra	iner		Ok or No	
	damage/clogs/leaks	G. C. T. C								
						6. Check hur	nidifier bottle	(Boiler	Ok or No	
	3. Check water fill valve and					tank)				
	all supply lines/connection for leaks	Ok or No								H
	leans					7. Check ope	ration of hum	idifier	Ok or No	
_										
Е	Electrical Panel						Observation			Ē
	Item Checked	Spec. Range /			) - <b>C</b>	Actual	Checked	A.C.		
		Cond. Std.		В	Before			After		
	1. Check fuses	Ok or No					<b></b>			L
	2. Check contactors for	Ok or No					1			
	pitting (Replace if pitted)						ļ			
	3. Check/Re-torque wire									
	connections	Ok or No	1							ı

	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/L1	L3 =	V	L1L2/L2L3/L	1L3 =	V	
	6. Frequency	50 + 10%	F =		Hz	F =		Hz	
F	Controls								
	Item Checked	Spec. Range / Cond. Std.	Actual	Checked	li	tem Check	ed	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 Checked			Spec. Range	After Keterangan			
	1. Coil clean of debris (coil if required)	Clean	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 = L1/L Amp		2/L3 = Amp	
J	General Function						
	Item Checked	Spec. Range	Actual Checked	Item Check		Spec. Range Ok or No	Actual Checked
	1. Cooling Test Ok or No				Dehumidification Test		
		2. Heating Test Ok or No		5. Alarm Test			
	2. Heating Test			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,