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

FORM

_oka		Model Unit :			Team Engine	er List :		Date :	
	e unit :	No. Seri :			_			Start PM:	
Nom	or Unit :	Periode :						Close PM:	:
	CKLIST TEAM BRIEFING								
	INSIVE SAFETY BRIEFING TEAM	1				2	OK	2	NOT
INIL		1				:	OK		IVOI
Α	Filter Section								
	Item Checked	Spec. Range / Cond. Std.	Actual Ch	ecked	Item Che	cked	Spec. Range	Ac	tual (
	1. Check/Replace filters	Clean or Dirty			5. Clean conc pan	densate	Clean or Dirty		
	2. Grille area unrestricted	OK / Not OK			6. Clean trap condensate		Clean or Dirty		
	3. Wipe section clean	Clean or Dirty			7. Check/Tes		Ok or No		
	4. Coil clean	Clean or Dirty			switch opera	tion	Ok or No		
В	Blower Section								
	Maria Oh a alsa d	Spec. Range /	Blower	·1	Blower	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			<del> </del>				
	4. Check/Test air sail switch	Ok or No							
	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	
	amps	FLA L3 = A	L3	L3	L3	L3	L3	L3	
	6. Check belt tension and condition	Ok or No	LS	LS	1.5	1.3	1.3	L3	
	***************************************	Ok or No			+				
	7. Check sheave/pulley	Ok or No							
C	Reheat	0	Haatan	4					
	Item Checked	Spec. Range / Cond. Std.	Heater		Heater		Heater		ı
			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							
	4. Check wire connections	Ok or No							
D	Steam Generating Humidifier								
	Item Checked	Spec. Range	Actual Ch	ecked	Item	Checked		Spec. Range	Ac
	1. Humidifier amp draw	A			4. Check cor	ndition of stea	m hose	Ok or No	
	2. Check drain valve/drain lines/trap for	Ok or No			5. Clean stra	iner		Ok or No	
	damage/clogs/leaks  3. Check water fill valve and				6. Check hun	nidifier bottle	(Boiler	Ok or No	
	all supply lines/connection for leaks	Ok or No				eration of hum	idifier	Ok or No	
E	Electrical Panel								
		Spec. Range /			Actual Ch	necked			
	Item Checked	Cond. Std.		Before	Actual Ci	looked	After		ı
	1. Check fuses	Ok or No		Belole			Alto		
	2. Check contactors for	OK OF 140				<del> </del>			
	pitting (Replace if pitted)	Ok or No							
	3. Check/Re-torque wire connections	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/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	em Checked Spe		Actual Checked
	1. Check refrigerant							Range	
	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			
	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 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	
		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,