## SERVICE REPORT PREVENTIVE MAINTENANCE

FORM NO.

## PRECISION AIR CONDITIONING (PAC) PT HM SAMPOERNA SUKOREJO PLANT

		PT. HM	M SAMPO	ERNA SI	JKOREJO	) PLANT			Tipe Form PM04	
Loka	asi :	Model Unit :		Team Engineer List:				Date :		
	le unit :	No. Seri :			]		ŀ	Start PM:		
Non	Nomor Unit : Periode :				1			Close PM:	:	
СН	ECKLIST TEAM BRIEF	ING								
	ENSIVE SAFETY BRIEFI					?	OK	?	NOT OK	
Α	Filter Section									
	Item Checked Spec. Range / Cond. Std.		Actual Checked			Item Checked		Ac	ctual Checked	
	1. Check/Replace filters	Clean or Dirty			5. Clean condensate pan		Clean or Dirty			
	2. Grille area unrestricted	OK / Not OK				rap in ate drain	Clean or Dirty			
	3. Wipe section clean	Clean or Dirty			7. Check/	Test filter- ch	Ok or No			
	4. Coil clean	Clean or Dirty			operation					
В	Blower Section									
	Item Checked	Spec. Range / Cond. Std.	Blov Before	wer 1 After	Blov Before	wer 2 After	Blov Before	wer 3 After	Keterangan	
	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		
	Compare to	FLA L2 = A	L2	L2	L2	L2	L2	L2		
	nameplateamps	FLA L3 = A	L3	L3	L3	L3	L3	L3		
	6. Check belt tension and condition	Ok or No							ĺ	
	7. Check sheave/pulley	Ok or No	<del>                                     </del>	<del>                                     </del>	<del>                                     </del>		<b>—</b>			
	Reheat	OK OF FEE								
		Spec. Range /	Heater 1		Hea	ater 2	Hea	ater 3	16.	
	Item Checked	Cond. Std.	Before	After	Before	After	Before	After	Keterangan	
	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 Hu	midifier								
	Item Checked	Spec. Range	Actual	Checked	Item Checked			Spec. Range	Actual Checked	
	1. Humidifier amp draw	A			4. Check hose	condition	of steam	Ok or No		
	2. Check drain valve/drain lines/trap for damage/clogs/leaks	Ok or No			5. Clean strainer			Ok or No		
	3. Check water fill valve and all supply lines/connection for	Ok or No			6. Check I (Boiler tank)	humidifier	bottle	Ok or No		
leaks					7. Check of humidifie	operation o	of	Ok or No	l	

E Electrical Panel

	Item Checked	Spec. Ran							Keterang	
		Cond. S	td.	Before			Спеске	ea Af		
	1. Check fuses	Ok or No								
	2. Check contactors	Ok or No								
	for pitting (Replace if	011.01.110								
	pitted)									
	3. Check/Re-torque									
	wire	Ok or No								
	connections								ı	
Е	Electrical Panel									
	Item Checked	Spec. Range				tual			Keterangan	
		Cond. Std.		Before		Che	скеа	After		Ū
	4 Valtaga Lina ta									
	4. Voltage Line to Neutral	220 + 10%	11/12/	/13_		V	14/12/13	=	\/ <b> </b>	
	Ground	220 + 1076	- 1/2/	LJ	••••••	v	L 1/LZ/L3		v	
	5. Voltage Line to Line	380 + 10%	L1L2/l	L2L3/L1	L3 =	V	L1L2/L2L	3/L1L3 =	V	
	6. Frequency	50 + 10%	F =			Hz	F =		Hz	
F	Controls									
	Item Checked	Spec. Range	Α	ctual	Checked	li	tem Che	cked	Spec. Range	Actual
		Cond. Std.							Nange	Checked
	1. Check/Verify control					3. Check/		er-	01	
	operation	Ok or No				detection	device		Ok or No	
$\vdash$						4. Check/	Test CAI	<u> </u>	140	
	2. Check/Test changeover	Ok or No				connection		•	Ok or	
	device					between i	ndoor a	nd	No	
						outdooru	nits			
G	Refrigeration Piping								0	
	Item Checked	Spec. Range	Δ	Actual Checked		l:	Item Checked		Spec. Range	Actual Checked
	1. Check refrigerant					3. Check for restriction temperature drop across filter drier			Ok or No	
	lines	Ok or No								
	(clamps secure/no									
	rubbing/no									
	leaks)									
	2. Check for moisture	Ok or No				]				
	(sight glass)	OK OF NO								
H	Compressor Section									
	Item Checked	Spec. Range		Con	np. 1	Cor	np. 2	Coi	np. 3	Keterangan
İ		Cond. Std.	Ве	fore	After	Before	After	Before	After	_
	1. Ampere draw	OAA								
ĺ	2. Check oil level	55 - 90 PsiG								
Ī	3. Check for oil leaks	200 - 300								
		PsiG								
	4. Check compressor	<b>a</b>								
	mounts	Ok or No								
	(springs/bushings)									
	5. Cap tubes (not	Ok or No								
	rubbing) 6. Check/Re-torque									
	wireconnections	Ok or No								
	(inside compressor box)	OK OF NO								
Ī	7. Compressor	Hz								
ĺ	operation	dB								
	(vibration/noise) 8. Check crank-case									
	heater	Ok or No								
	fuses/operation									
1	9. Check for refrigerantleaks	Ok or No								
	i i eli luei allilleans	1	I			1	I		l l	

10.SuctionpressureCircuit	55 - 90 PsiG				
11 .DischargePressureCircuit   12. upr	200 - 300 PsiG				
hea t Cir cui t					

13.Low-pessueswitchcutoutCircuit	Ok or No					
4 L o	Ok or No					
w p r e s						
s u r e c u						
u t i n C i						
r c u i						
-	15. High pressure cut out Circuit	Ok or No				
	16. Sight Glass	Ok or No				

1	<b>Condensor Section</b>				
	Item	Spec. Range	Before	After	Keterangan
	Checked				
	Coil clean of debris (Clean coil ifrequired)	Clean or Dirty			
	2. Fans free of debris	Clean or Dirty			
	3. Fans securely mounted				
	4. Motor bearings in good condition				
	5. Check all refrigerant lines for vibration	Ok or No			
	isolation. Support as necessary				
	6. Check for refrigerant leaks	Ok or No			
	7. Check surge-protection device (ifinstalled) status-indicator lights	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	quence/set							
	11. Charge verification:								
	a. Outdoor Ambient Ter								
	b. Subcooling	iiperature							
		r Tomporoturo							
	c. Indoor-unit Return-ai								
	d. Sight-glass level (if L Temp orpumped refrig								
	12. Motor amp draw		FLA = A	L1/L2/L3 =	L1/L2	2/L3 =			
	12. Motor ump draw		1 2/1 – /1	Λ					
١.				Amp	A	mp			
J	General Function								
	Item Checked	Spec. Range	Actual Checked	Item Check	æd	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		Ok or No			
	3. Humidification Test	Ok or No							
K	Room Condition								
	Item Checked	Spec. Range	Actual Checked	Item Check	red	Spec. Range	Actual Checked		
	1. Temperature	?C		2. Humidity		%			
			NOT	ES					
	Temuan :								
Rek	omendasi :								
			RESU	IME					
	JOB COMPLETED ?	? YES	? NO, please check	on NOTES	RUNNING HOURS :				
			APPRO						
			SIGNI		2				
Approved by ISS,			<b>Verified B</b> Supervisor			ervice By Leader/Staf,			
	()						)		

Keterangan : Lembar 1 untuk Teknisi; Lembar 2 untuk User; Lembar 3 Arsip Kantor