SERVICE REPORT PREVENTIVE MAINTENANCE

FORM NO.

		PREC	ISION A		NDITIO	NING (P	PAC)		
		P	T. HM SA LANT			,	110)		Tipe Form PM04
Lok	asi : LT3	Model Unit:			Team Engi	neer List : to	es	Date : 2024-	
								2024- 08-03	
Coc	le unit : 12	No. Seri }: 12			1			Start PM : 0	06:10
Nor	nor Unit : 83	Periode :						Close PM : 0	08:10
CH	ECKLIST TEAM BRIE	FING			-				
INT	TENSIVE SAFETY BRIEF					?	OK	?	NOT OK
	AM Filter Section								
Λ	Item Checked	Spec. Range / Cond. Std.	Actual	Checked	Item (Checked	Spec. Range	Ac	tual Checked
	1. Check/Replace filters	Clean or Dirty	Clean	,	5. Clean co		Clean or Dirty	Clean	
	2. Grille area unrestricted	OK / Not OK	Ok		6. Clean to condensat		Clean or Dirty	Clean	
	3. Wipe section clean	Clean or Dirty			7. Check/I		Ok or No	Ok	
D	4. Coil clean Blower Section	Clean or Dirty	Clean		clog switcl	n operation			
ь		Spec. Range /	Blov	wer 1	Blo	wer 2	Blo	wer 3	
	Item Checked	Cond. Std.	Before	After	Before	After	Before	After	Keterangan
	1. Mounting bolts tight	Ok or No	OK	OK	OK	OK	OK	OK	OK OK
	2. Fan-guard bolts tight 3. Impeller spins freely	Ok or No Ok or No	OK OK	OK OK	OK OK	OK OK	OK OK	OK OK	OK OK
l	4. Check/Test air sail		OK	OK	OK	OK	OK	OK	OK
	switch	Ok or No							
	5. Motor amp draw	FLA L1 =···· A	L1	L1	L1	L1	L1	L1	1
	Compare to nameplate amps	FLA L2 =···· A	L2	L2	L2	L2	L2	L2	1
		FLA L3 =···· A	L3	L3	L3	L3	L3	L3	1
	6. Check belt tension and condition	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok
C	7. Check sheave/pulley	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok
	Reheat	Spec. Range /	Hea	iter 1	Hea	Heater 2		ater 3	
	Item Checked	Cond. Std.	Before	After	Before	After	Before	After	Keterangan
	1. Reheat amp draw	FLA =····· A	1	1	1	1	1	1	1
	2. Check Heater Resistance	18-22 ohm	1	1	1	1	1	1	1
	3. Inspect elements	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok
	4. Check wire connections	Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok
D	Steam Generating Hum	idifier							
	Item Checked	Spec. Range	Actual	Checked		Item Check		Spec. Range	Actual Checked
	1. Humidifier amp draw	Α	1		4. Check of hose	condition of	steam	Ok or No	Clean
	2. Check drain valve/drain lines/trap fordamage/clogs/leaks	Ok or No	Ok		5. Clean st	rainer		Ok or No	Clean
	3. Check water fill valve and all supply lines/connection for leaks	Ok or No	Clean		6. Check h (Boiler tank)	umidifier b	oottle	Ok or No	Clean
L					7. Check o	peration of	humidifier	Ok or No	Ok
E	Electrical Panel	Cman D-			Actual	Checked			
	Item Checked	Spec. Range / Cond. Std.		Before	Actual	Спескей	After		Keterangan
	1. Check fuses	Ok or No	Ok			Ok			Ok

2. Check contactors for

pitting (Replace if pitted)

Ok

Ok or No

Ok

Ok

3.		Ok	Ok	Ok
Che	ck/Rok or No			
tore	ue			
wir	ę			
con	nections			

E Electrical P									
T		Spec. Range /	Actual						T Z 4
Item (Checked	Cond. Std.			Che	cked	Keterangan		
				Before			After		
4. Voltage L	ine to			_					1
Neutral Ground		220 + 10%	L1/L2/L3 = 1	l	V	L1/L2/L3 = 1		V	
5. Voltage L	ina ta I ina	380 + 10%	L1L2/L2L3/	л н з –1		1 11 2/1 21 3/1	11.3 –1		1
3. Voltage L	ine to Line	360 + 10%	V	LILS —		L1L2/L2L3/L1L3 = 1 V			1
6. Frequency	y	50 + 10%	F=1		Hz	F=1		Hz	1
F Controls									
Item (Checked	Spec. Range / Cond. Std.	Actua	al Checked]	Item Check	ed	Spec. Range	Actual Checked
1. Check/Ve	erify control	Ok or No	Ok		3. Check/T			Ok or No	Ok
operation		OR OF IVO	Ok		detectiond		nnoction		Ok
2. Check/Te changeover		Ok or No	Ok		1	4. Check/Test CAN connection between indoor and outdoor			OK
G Refrigeration	on Piping								
Item (Checked	Spec. Range	Actua	al Checked	1	Item Check	ed	Spec. Range	Actual Checked
1. Check ref	rigerant lines		Ok						Clean
(clamps secu	re/no	Ok or No				or restricti			
rubbing/no						re drop acı	OSS	Ok or No	
2. Check for	moisture	Ok or No	Ok		filterdrier				
(sight glass)	~ .	OR OF IVO							
H Compresso	r Section	G B	C	1	C	2	C	2	
Item (Checked	Spec. Range / Cond. Std.	Before	omp. 1 After	Before	mp. 2	Before	np. 3 After	Keterangan
1. Ampere d	raw	OA··· A	1	1	1	1	1	1	1
2. Check oil		55 - 90 PsiG	1	1	1	1	1	1	1
3. Check for	oil leaks	200 - 300 PsiG	1	1	1	1	1	1	1
4. Check			Ok	Ok	Ok	Ok	Ok	Ok	Ok
compressori (springs/bus		Ok or No							
5. Cap tubes rubbing)		Ok or No	Ok	Ok	Ok	Ok	Ok	Ok	Ok
6. Check/Re	-torque		Ok	Ok					
				OK	Ok	Ok	Ok	Ok	Ok
wireconnect	ions (inside	Ok or No		OK	Ok	Ok	Ok	Ok	Ok
compressor	box)	Ok or No		OK .	Ok	Ok	Ok	Ok	Ok
compressor 7. Compress	box)	Hz	1	1	Ok 1	Ok 1	Ok 1	Ok 1	Ok
7. Compress operation	box) or		1	1	Ok 1	Ok 1	Ok	Ok 1	Ok
7. Compress operation (vibration/n 8. Check cra	or oise) ank-case	Hz dB	1 Ok	l Ok	Ok 1 Ok	Ok I Ok	1	1	Ok 1 Ok
compressor 7. Compress operation (vibration/n 8. Check cra heater fuses/	or oise) ank-case operation	Hz	1 Ok	l Ok	l Ok	1 Ok	1 Ok	1 Ok	1 Ok
7. Compress operation (vibration/n 8. Check cra	box) or oise) ank-case operation	Hz dB	1	1	1	1	1 Ok	1 Ok	1
compressor 7. Compress operation (vibration/n 8. Check cra heater fuses/ 9. Check for	box) or oise) ank-case operation	Hz dB	1 Ok	l Ok	l Ok	1 Ok	1 Ok	1 Ok	1 Ok
compressor 7. Compress operation (vibration/n 8. Check cra heater fuses/ 9. Check for refrigerantle 10. Suction pressure Cir 11. Discharg	box) or oise) ank-case operation eaks cuit	Hz dB Ok or No Ok or No 55 - 90 PsiG	1 Ok	l Ok	l Ok	1 Ok	l Ok	1 Ok	1 Ok
compressor 7. Compress operation (vibration/n 8. Check cra heater fuses/ 9. Check for refrigerant/o 10. Suction pressure Cir 11. Discharg Pressure Cir	box) or oise) ank-case operation eaks cuit	Hz dB Ok or No Ok or No 55 - 90 PsiG 200 - 300 PsiG	Ok Ok	l Ok	l Ok	I Ok Ok	I Ok Ok	1 Ok	1 Ok
compressor 7. Compress operation (vibration/n 8. Check cra heater fuses/ 9. Check for refrigerantl 10. Suction pressureCir 11. Discharg PressureCir 12. Superhea	box) or oise) ank-case operation eaks cuit ge cuit at Circuit	Hz dB Ok or No Ok or No 55 - 90 PsiG 200 - 300 PsiG ?C	Ok Ok	l Ok	l Ok	I Ok Ok	Ok Ok 1	1 Ok Ok 1 1 1	1 Ok Ok 1 1 1
compressor 7. Compress operation (vibration/n 8. Check cra heater fuses/ 9. Check for refrigerantl 10. Suction pressure Cir 11. Discharg Pressure Cir	box) or oise) ank-case operation eaks cuit ge cuit at Circuit essure	Hz dB Ok or No Ok or No 55 - 90 PsiG 200 - 300 PsiG ?C	1 Ok Ok 1 1	Ok Ok I I Ok Ok	Ok Ok I I Ok	Ok Ok I II Ok	Ok Ok I I Ok	Ok Ok 1 1 1 Ok	Ok Ok 1 1 1 Ok
compressor 7. Compress operation (vibration/n 8. Check cra heater fuses/ 9. Check for refrigerantl 10. Suction pressure Cir 11. Discharg Pressure Cir 12. Superhea 13. Low-pressor	box) or oise) ank-case operation eaks cuit te cuit at Circuit ssure at Circuit	Hz dB Ok or No Ok or No 55 - 90 PsiG 200 - 300 PsiG ?C	1 Ok Ok 1 1	1 Ok Ok 1 1 1 1	Ok Ok I	1 Ok Ok 1 1 1 1 1	Ok Ok I I Ok	Ok Ok 1 1 1 Ok	1 Ok Ok 1 1 1
compressor 7. Compress operation (vibration/n 8. Check cra heater fuses/ 9. Check for refrigerantl 10. Suction pressure Cir 11. Discharg Pressure Cir 12. Superhea 13. Low-presswitchcut ou 14. Low presin Circuit	box) or oise) ank-case operation eaks cuit te cuit at Circuit ssure at Circuit	Hz dB Ok or No Ok or No 55 - 90 PsiG 200 - 300 PsiG ?C Ok or No	Ok Ok I I Ok	Ok Ok I I Ok Ok	Ok Ok I I Ok	Ok Ok I II Ok	Ok Ok I I Ok Ok Ok	Ok Ok I I Ok Ok Ok	Ok Ok 1 1 1 Ok

Ι	Condensor Section							
	Item Checked		Spec. Range	Before	Af	ter	Keterangan	
	1. Coil clean of debris (Clean coil ifrequired)		Clean or Dirty	Clean	Clean			
	2. Fans free of debris		Clean or Dirty	Clean	Clean			
	3. Fans securely mounted		1	1	1			
	4. Motor bearings in good		1	1	1	1		
	5. Check all refrigerant lines for vibration isolation. Support as necessary		Ok or No	Ok	Ok			
	6. Check for refrigerant le		Ok or No	Ok	Ok			
	7. Check surge-protection (ifinstalled) status-indicat	tor lights	Ok or No	Ok	Ok			
	8. Check/Re-torque wire c		Ok or No	Ok	Ok			
	9. Check contactors for pi ifpitted)		Ok or No	Ok	Ok			
	10. Verify operation sequence/set points		1	1	1			
_	11. Charge verification:		1	1	1			
	a. Outdoor Ambient Temp	perature	1	1	1			
	b. Subcooling		1	1	1			
	c. Indoor-unit Return-air		1	1	1			
	d. Sight-glass level (if Lee- orpumped refrigerant)	· 1 emp		L1/L2/L3 =	L1/L2)/I 2 _		
	12. Motor amp draw		FLA = 1 A	1 Amp		2/L3 = mp		
	General Function							
	General Function Item Checked	Spec. Range	Actual Checked	Item Check	ed	Spec. Range	Actual Checked	
J	Item Checked 1. Cooling Test	Ok or No	Checked Ok	4. Dehumidification T		_	Checked	
J	Item Checked 1. Cooling Test 2. Heating Test	Ok or No Ok or No	Checked Ok Ok			Range Ok or No	Checked	
J	1. Cooling Test 2. Heating Test 3. Humidification Test	Ok or No	Checked Ok	4. Dehumidification T		Range Ok or No	Checked Ok	
J	1. Cooling Test 2. Heating Test 3. Humidification Test Room Condition	Ok or No Ok or No Ok or No	Checked Ok Ok Ok	4. Dehumidification T 5. Alarm Test	est	Range Ok or No Ok or No Spec.	Checked Ok Ok	
J	1. Cooling Test 2. Heating Test 3. Humidification Test	Ok or No Ok or No	Checked Ok Ok	4. Dehumidification T	est	Range Ok or No Ok or No	Checked Ok	
K	1. Cooling Test 2. Heating Test 3. Humidification Test Room Condition	Ok or No Ok or No Ok or No	Checked Ok Ok Ok Actual Checked	4. Dehumidification T 5. Alarm Test Item Check 2. Humidity	est	Range Ok or No Ok or No Spec.	Checked Ok Ok Actual	
K	1. Cooling Test 2. Heating Test 3. Humidification Test Room Condition Item Checked	Ok or No Ok or No Ok or No Spec. Range	Checked Ok Ok Ok Actual	4. Dehumidification T 5. Alarm Test Item Check 2. Humidity	est	Range Ok or No Ok or No Spec. Range	Checked Ok Ok Actual	
K	1. Cooling Test 2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature	Ok or No Ok or No Ok or No Spec. Range	Checked Ok Ok Ok Actual Checked	4. Dehumidification T 5. Alarm Test Item Check 2. Humidity	est	Range Ok or No Ok or No Spec. Range	Checked Ok Ok Actual	
K	Item Checked 1. Cooling Test 2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature	Ok or No Ok or No Ok or No Spec. Range	Checked Ok Ok Ok Actual Checked	4. Dehumidification T 5. Alarm Test Item Check 2. Humidity	est	Range Ok or No Ok or No Spec. Range	Checked Ok Ok Actual	
K K Ten Rek	Item Checked 1. Cooling Test 2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature huan: tes comendasi: tes JOB COMPLETED	Ok or No Ok or No Ok or No Spec. Range	Checked Ok Ok Ok Actual Checked	4. Dehumidification T 5. Alarm Test Item Check 2. Humidity ES	est	Range Ok or No Ok or No Spec. Range	Checked Ok Ok Actual	
K K Ten Rek	Item Checked 1. Cooling Test 2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature huan: tes huan: tes	Ok or No Ok or No Ok or No Spec. Range	Checked Ok Ok Ok Ok Ok Actual Checked I NOT	4. Dehumidification T 5. Alarm Test Item Check 2. Humidity ES ME	est	Range Ok or No Ok or No Spec. Range	Checked Ok Ok Actual	
K K Ten Rek	Item Checked 1. Cooling Test 2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature huan: tes comendasi: tes JOB COMPLETED	Ok or No Ok or No Ok or No Spec. Range	Checked Ok Ok Ok Ok Ok Actual Checked I NOT RESU NO, please check on N	4. Dehumidification T 5. Alarm Test Item Check 2. Humidity ES ME TOTES	est	Range Ok or No Ok or No Spec. Range	Checked Ok Ok Actual	
K Tem Rek	Item Checked 1. Cooling Test 2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature nuan: tes comendasi: tes JOB COMPLETED ?	Ok or No Ok or No Ok or No Spec. Range	Checked Ok Ok Ok Ok Ok Actual Checked I NOT RESU NO, please check on N APPRO SIGNI	4. Dehumidification T 5. Alarm Test Item Check 2. Humidity ES ME OTES OVAL	est	Range Ok or No Ok or No Spec. Range 1 % GHOURS:	Checked Ok Ok Actual Checked	
K K Ten Rek	Item Checked 1. Cooling Test 2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature nuan: tes comendasi: tes JOB COMPLETED ?	Ok or No Ok or No Ok or No Spec. Range	Checked Ok Ok Ok Ok Ok Ok Actual Checked I NOT RESU NO, please check on N APPRO SIGN Verified B	4. Dehumidification T 5. Alarm Test Item Check 2. Humidity ES ME TOTES OVAL ING	est	Range Ok or No Ok or No Spec. Range 1 % GHOURS:	Checked Ok Ok Actual Checked 1	
K K Ten Rek	Item Checked 1. Cooling Test 2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature nuan: tes comendasi: tes JOB COMPLETED ?	Ok or No Ok or No Ok or No Spec. Range	Checked Ok Ok Ok Ok Ok Actual Checked I NOT RESU NO, please check on N APPRO SIGNI	4. Dehumidification T 5. Alarm Test Item Check 2. Humidity ES ME TOTES OVAL ING	est	Range Ok or No Ok or No Spec. Range 1 % GHOURS:	Checked Ok Ok Actual Checked	
K K Ten Rek	Item Checked 1. Cooling Test 2. Heating Test 3. Humidification Test Room Condition Item Checked 1. Temperature nuan: tes comendasi: tes JOB COMPLETED ?	Ok or No Ok or No Ok or No Spec. Range	Checked Ok Ok Ok Ok Ok Ok Actual Checked I NOT RESU NO, please check on N APPRO SIGN Verified B	4. Dehumidification T 5. Alarm Test Item Check 2. Humidity ES ME TOTES OVAL ING	est	Range Ok or No Ok or No Spec. Range 1 % GHOURS:	Checked Ok Ok Actual Checked 1	

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