



**PT. DIKARI TATA UDARA INDONESIA**  
**ENGINEERING DIVISION**  
*Sales, Design, Service, Installation, Prepentive Maintenance*

# SERVICE REPORT PM

## AIR COOLED WATER CHILLER

Customer/User : DKR	Location of Eq. :LT3	Engineer Name List :	Date :	FORM NO.
Site : Ciomas	Code/No. of Eq. : 12		Start Time	Stop Time
				Tipe Form PM02

TASKLIST				
Scope Of Work Maintenance Chiller Elektrik		Freq.	Standard	Actual Check
INTENSIVE SAFETY      ? OK      ? NOT OK				
BRIEFING TEAM				
1	Check the evaporator refrigerant pressure and the condenser refrigerant .	Wkly	1	1
2	Check the liquid line sight glasses.	Wkly	1	1
3	Measure and record the system superheat.	1 M	1	1
4	Measure and record the system subcooling.	1 M	1	1
5	Manually rotate condenser fans to insure proper clearance.	1 M	1	1
6	Check the fan assemblies for proper clearance in the fan openings	6 M	1	1
7	Check motor shaft misalignment, abnormal end-play, vibration and noise.	6 M	1	1
8	Check the oil level and refrigerant charge.	6 M	1	1
9	Check oil analysis to determine system moisture content and acid level.	6 M	1	1
10	Leak test the chiller	6 M	1	1
11	Check operating and safety controls	6 M	1	1
12	Inspect electrical components for deficiencies.	6 M	1	1
13	Inspect all piping components for leakage and damage.	6 M	1	1
14	Clean out any inline strainers.	6 M	1	1
15	Clean and repaint any areas that show signs of corrosion.	6 M	1	1
16	Clean the condenser coils.	6 M	1	1
17	Clean the condenser fans.	6 M	1	1
18	Clean panel control box & Component	6 M	1	1
19	Check all sensor (Condition & read)	6 M	1	1

SERVICE CHECK									
Unit Serial Number : 1					Elevation (°) : 1				
Unit Model No. : 1					Nameplate Voltage (V) : 1				
Compressor A Serial No. : 1					Fan Motor RLA : 1				
Compressor A Model : 1					Evap Water Drop Press. (Bar)				
No.					Des. PSID : 1				
Compressor B Serial No. : 1					Act. PSID : 1				
Compressor B Model : 1					Des. GPM : 1				
No.					Act. GPM : 1				
Circuit Compressor	UoM	Standard	Before		After		Remarks		
			Cir A	Cir B	Cir A	Cir B			
Unit Voltage	R-S	Volt	35	36	37	38	39	40	
	S-T	Volt	35	36	37	38	39	40	
	T-R	Volt	35	36	37	38	39	40	
Comp. Amp	R	Amp	41	42	43	44	45	46	
	S	Amp	41	42	43	44	45	46	
	T	Amp	41	42	43	44	45	46	
Unit Operating Mode									
Last Diagnostic									
Evap EWT									
Evap LWT									
Outdoor Air Temp.									
Chilled Water Setpoint									
Current Limit Setpoint									
Sat. Evap. Ref. Temp.									
Sat. Cond. Ref. Temp.									
Condensor ref. press.									
Evaporator ref. Press.									

20	Check Cooler & Pipe Insulation	6 M	1	1	Compressor RLA											
21	Check Condensor air velocity	6 M	1	1	Compressor start											
<b>FIND DH</b>		<b>NOTES / RECOMMENDATIONS</b>			Compressor hours											
		*) Data gambar saat PM diinfokan melalui media lainnya.			Compressor hours											
					Oil Level Compressor											
					<b>RESUME</b>								<b>APPROVAL SIGNING</b>			
					<b>JOB COMPLETED ?</b>				<div> <div> <b>Approved by</b>  ISS, </div> <div> <b>Verified By</b>  Supervisor, </div> <div> <b>Service By</b>  Team Leader/Staf, </div> </div>							
					<b>? YES</b>											
					<b>? NO, please check on</b>											
					<b>NOTES</b>				<div> <div> ( )  No. HP. </div> <div> ( )  No. HP. </div> <div> ( )  No. HP. </div> </div>							
<i>Keterangan : Lembar 1 untuk Teknisi; Lembar 2 untuk User; Lembar 3 Arsip Kantor</i>																