



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

SERVICE REPORT PM

AIR COOLED WATER CHILLER

| | | | | |
|-----------------|-------------------|----------------------|------------|-------------------|
| Customer/User : | Location of Eq. : | Engineer Name List : | Date : | FORM NO. |
| Site : | Code/No. of Eq. : | | 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 | | |
| 9 | Check oil analysis to determine system moisture content and acid level. | 6 M | | |
| 10 | Leak test the chiller | 6 M | | |
| 11 | Check operating and safety controls | 6 M | | |
| 12 | Inspect electrical components for deficiencies. | 6 M | | |
| 13 | Inspect all piping components for leakage and damage. | 6 M | | |
| 14 | Clean out any inline strainers. | 6 M | | |
| 15 | Clean and repaint any areas that show signs of corrosion. | 6 M | | |
| 16 | Clean the condenser coils. | 6 M | | |
| 17 | Clean the condenser fans. | 6 M | | |
| 18 | Clean panel control box & Component | 6 M | | |
| 19 | Check all sensor (Condition & read) | 6 M | | |
| 20 | Check Cooler & Pipe Insulation | 6 M | | |
| 21 | Check Condensor air velocity | 6 M | | |

| SERVICE CHECK | | | | | | | | |
|---------------------------|-----|------|------------------------------|--------|-------|-------------|-------|---------|
| Unit Serial Number : | | | Elevation (°) : | | | | | |
| Unit Model No. : | | | Nameplate Voltage (V) : | | | | | |
| Compressor A Serial No. : | | | Fan Motor RLA : | | | | | |
| Compressor A Model No. : | | | Evap Water Drop Press. (Bar) | | | | | |
| Compressor B Serial No. : | | | Des. PSID : | | | Act. PSID : | | |
| Compressor B Model No. : | | | Des. GPM : | | | Act. GPM : | | |
| Circuit Compressor | | UoM | Standard | Before | | After | | Remarks |
| | | | | Cir A | Cir B | Cir A | Cir B | |
| Unit Voltage | R-S | Volt | | | | | | |
| | S-T | Volt | | | | | | |
| | T-R | Volt | | | | | | |
| Comp. Amp | R | Amp | | | | | | |
| | S | Amp | | | | | | |
| | T | Amp | | | | | | |
| 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. | | | | | | | | |
| Compressor RLA | | | | | | | | |
| Compressor start | | | | | | | | |

| FIND DH | NOTES / RECOMMENDATIONS | Compressor hours | | | | | | | |
|---|---|------------------|---------------------|-------------|----------------------------|-------------|------------------------------------|--|--|
| | *) Data gambar saat PM diinfokan melalui media lainnya. | Compressor hours | | | | | | | |
| | | Oil Level | | | | | | | |
| | | Compressor | | | | | | | |
| | | RESUME | APPROVAL SIGNING | | | | | | |
| | | JOB COMPLETED ? | Approved by ISS, | | Verified By Supervisor, | | Service By Team Leader/Staf, | | |
| | ? YES | | | | | | | | |
| | ? NO, please check on | No. HP. () | | No. HP. () | | No. HP. () | | | |
| Keterangan : Lembar 1 untuk Teknisi; Lembar 2 untuk User; Lembar 3 Arsip Kantor | | NOTES | | | | | | | |