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**PT. DIKARI TATA UDARA INDONESIA** **SERVICE REPORT PM**

**ENGINEERING DIVISION**

*Sales, Design, Service, Installation, Prepentive Maintenance* **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 BRIEFING TEAM ? OK ? NOT OK** | | | |
| 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 No. | : 1 | **Evap Water Drop Press. (Bar)** | |
| Compressor B Serial No. | : 1 | Des. PSID : 1 | Act. PSID : 1 |
| Compressor B Model No. | : 1 | Des. GPM : 1 | Act. GPM : 1 |

| Circuit Compressor | | UoM | Standard | Before | | After | | Remarks |
|---|---|---|---|---|---|---|---|---|
| | | | | Cir A | Cir B | Cir A | Cir B | |
| Unit Voltage | R-S | Volt | 1 | 1 | 1 | 1 | 1 | 1 |
| | S-T | Volt | 1 | 1 | 1 | 1 | 1 | 1 |
| | T-R | Volt | 1 | 1 | 1 | 1 | 1 | 1 |
| Comp. Amp | R | Amp | 1 | 1 | 1 | 1 | 1 | 1 |
| | S | Amp | 1 | 1 | 1 | 1 | 1 | 1 |
| | T | Amp | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | | | | | | | |
| | | | | | Compressor hours | | | | | | | |
| | | | | | Compressor hours | | | | | | | |
| | | | | | Oil Level Compressor | | | | | | | |

| FIND DH | NOTES / RECOMMENDATIONS |
|---|---|
| | **) Data gambar saat PM diinfokan melalui media lainnya.* |

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

| RESUME | APPROVAL SIGNING | | |
|---|---|---|---|
| | **Approved by** | **Verified By** | **Service By** |
| **JOB COMPLETED ?** | ISS, | Supervisor, | Team Leader/Staf, |
| **? YES** | | | |
| **? NO, please check on** | ( ) | ( ) | |
| | No. HP. | No. HP. | ( ) |
| **NOTES** | | | No. HP. |