



**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 :1 | Date :2024-11-13   |                   | FORM NO.<br>COO-PM-11-24-00106 |
| Site : Ciomas       | Code/No. of Eq. : asd |                       | Start Time : 11:01 | Stop Time : 11:01 | Tipe Form<br>PM02              |

| TASKLIST                                   |   |       |          |              | SERVICE CHECK               |     |          |        |                              |       |               |         |
|--|---|-------|----------|--------------|-----------------------------|-----|----------|--------|------------------------------|-------|---------------|---------|
| Scope Of Work Maintenance Chiller Elektrik |   | Freq. | Standard | Actual Check | Unit Serial Number : 1      |     |          |        | Elevation (°) : 1            |       |               |         |
| INTENSIVE SAFETY ? OK ? NOT OK             |   |       |          |              | Unit Model No. : 1          |     |          |        | Nameplate Voltage (V) : 1    |       |               |         |
| BRIEFING TEAM                              |   |       |          |              | Compressor A Serial : 1 No. |     |          |        | Fan Motor RLA : 1            |       |               |         |
| 1  | Check the evaporator refrigerant pressure and the condenser refrigerant . | Wkly  | 1        | 1            | Compressor A : 1 Model No.  |     |          |        | Evap Water Drop Press. (Bar) |       |               |         |
| 2  | Check the liquid line sight glasses.                                      | Wkly  | 1        | 1            | Compressor B Serial : 1 No. |     |          |        | Des. PSID : 1                |       | Act. PSID : 1 |         |
| 3  | Measure and record the system superheat.                                  | 1 M   | 1        | 1            | Compressor B : 1 Model No.  |     |          |        | Des. GPM : 1                 |       | Act. GPM : 1  |         |
| 4  | Measure and record the system subcooling.                                 | 1 M   | 1        | 1            | Circuit Compressor          | UoM | Standard | Before |                              | After |               | Remarks |
| 5  | Manually rotate condenser fans to insure proper clearance.                | 1 M   | 1        | 1            |                             |     |          | Cir A  | Cir B                        | Cir A | Cir B         |         |
| 6  | Check the fan assemblies for proper clearance in the fan openings         | 6 M   | 1        | 1            | Unit Voltage                | R-S | Volt     | 1      | 1                            | 1     | 1             | 1       |
| 7  | Check motor shaft misalignment, abnormal end-play, vibration and noise.   | 6 M   | 1        | 1            |                             | S-T | Volt     | 1      | 1                            | 1     | 1             | 1       |
| 8  | Check the oil level and refrigerant charge.                               | 6 M   | 1        | 1            |                             | T-R | Volt     | 1      | 1                            | 1     | 1             | 1       |
| 9  | Check oil analysis to determine system moisture content and acid level.   | 6 M   | 1        | 1            | Comp. Amp                   | R   | Amp      | 1      | 1                            | 1     | 1             | 1       |
| 10   | Leak test the chiller   | 6 M   | 1        | 1            |                             | S   | Amp      | 1      | 1                            | 1     | 11            | 1       |
| 11   | Check operating and safety controls                                       | 6 M   | 1        | 1            |                             | T   | Amp      | 1      | 1                            | 1     | 1             | 1       |
| 12   | Inspect electrical components for deficiencies.                           | 6 M   | 1        | 1            | Unit Operating Mode         |     | 1        | 1      | 1                            | 1     | 1             | 1       |
| 13   | Inspect all piping components for leakage and damage.                     | 6 M   | 1        | 1            | Last Diagnostic             |     | 1        | 1      | 1                            | 1     | 1             | 1       |
| 14   | Clean out any inline strainers.   | 6 M   | 1        | 1            | Evap EWT                    |     | 1        | 1      | 1                            | 1     | 1             | 1       |
| 15   | Clean and repaint any areas that show signs of corrosion.                 | 6 M   | 1        | 1            | Evap LWT                    |     | 1        | 1      | 1                            | 1     | 1             | 1       |
| 16   | Clean the condenser coils.  | 6 M   | 1        | 1            | Outdoor Air Temp.           |     | 1        | 1      | 1                            | 1     | 1             | 1       |
| 17   | Clean the condenser fans.   | 6 M   | 1        | 1            | Chilled Water Setpoint      |     | 1        | 1      | 1                            | 1     | 1             | 1       |
|  |   |       |          |              | Current Limit Setpoint      |     | 1        | 1      | 1                            | 1     | 1             | 1       |
|  |   |       |          |              | Sat. Evap. Ref. Temp.       |     | 1        | 1      | 1                            | 1     | 1             | 1       |
|  |   |       |          |              | Sat. Cond. Ref. Temp.       |     | 1        | 1      | 1                            | 1     | 1             | 1       |

|   |                                     |   |   |             |                        |             |                            |             |                                   |   |  |   |                         |  |  |  |
|---|-------------------------------------|---|---|-------------|------------------------|-------------|----------------------------|-------------|-----------------------------------|---|--|---|-------------------------|--|--|--|
| 18  | Clean panel control box & Component | 6 M   | 1 | 1           | Condensor ref. press.  |             | 1                          | 1           | 1                                 | 1 | 1                                      | 1 |                         |  |  |  |
| 19  | Check all sensor (Condition & read) | 6 M   | 1 | 1           | Evaporator ref. Press. |             | 1                          | 1           | 1                                 | 1 | 1                                      | 1 |                         |  |  |  |
| 20  | Check Cooler & Pipe Insulation      | 6 M   | 1 | 1           | Compressor RLA         |             | 1                          | 1           | 1                                 | 1 | 1                                      | 1 |                         |  |  |  |
| 21  | Check Condensor air velocity        | 6 M   | 1 | 1           | Compressor start       |             | 1                          | 1           | 1                                 | 1 | 1                                      | 1 |                         |  |  |  |
| <b>FIND DH</b>  |                                     | <b>NOTES / RECOMMENDATIONS</b>                          |   |             | Compressor hours       |             | 1                          | 1           | 1                                 | 1 | 1                                      | 1 |                         |  |  |  |
|   |                                     | *) Data gambar saat PM diinfokan melalui media lainnya. |   |             | Compressor hours       |             | 1                          | 1           | 1                                 | 1 | 1                                      | 1 |                         |  |  |  |
|   |                                     |   |   |             | Oil Level Compressor   |             | 1                          | 1           | 1                                 | 1 | 1                                      | 1 |                         |  |  |  |
|   |                                     |   |   |             | <b>RESUME</b>          |             |                            |             |                                   |   |  |   | <b>APPROVAL SIGNING</b> |  |  |  |
|   |                                     |   |   |             | <b>JOB COMPLETED ?</b> |             | <b>Approved by</b><br>ISS, |             | <b>Verified By</b><br>Supervisor, |   | <b>Service By</b><br>Team Leader/Staf, |   |                         |  |  |  |
|   |                                     | <b>? YES</b>  |   |             |                        |             |                            |             |                                   |   |  |   |                         |  |  |  |
|   |                                     | <b>? NO, please check on NOTES</b>                      |   | No. HP. ( ) |                        | No. HP. ( ) |                            | No. HP. ( ) |                                   |   |  |   |                         |  |  |  |
| Keterangan : Lembar 1 untuk Teknisi; Lembar 2 untuk User; Lembar 3 Arsip Kantor |                                     |   |   |             |                        |             |                            |             |                                   |   |  |   |                         |  |  |  |

| Foto Equipment |   |      |            |
|----------------|---|------|------------|
| No             | Gambar  | Info | Keterangan |
| 1              |  | 1    | Before     |
| Foto Parameter |   |      |            |
| No             | Gambar  | Info | Keterangan |
| 1              |  | 1    | Before     |