

Chiller - Screw - Water cooled

| Activity | | Type Of Service | | | | |
|-----------------------------|---|-----------------|---|---|---|---|
| | | A | B | C | D | E |
| Last Issue Date: 27/08/2015 | | | | | | |
| 1 | Check compressor oil level, adjust if required. | | Y | Y | Y | |
| 2 | Check operation of sump heater. | | Y | Y | Y | |
| 3 | Check all safety devices and controls. | | Y | Y | Y | |
| 4 | Check operation of flow schitches. | | Y | Y | Y | |
| 5 | Check temperature controls. | | Y | Y | Y | |
| 6 | Check and record return and flow water temperatures. | | Y | Y | Y | |
| 7 | Check and record head suction and oil pressures. | | Y | Y | Y | |
| 8 | Check and record condenser/chilled water pressures. | | Y | Y | Y | |
| 9 | Check refrigerant charge and circuit especially for leaks. | | Y | Y | Y | |
| 10 | Check lead/lag sequence and change if applicable. | | Y | Y | Y | |
| 11 | Check condition and operation of all indicator lamps. | | Y | Y | Y | |
| 12 | Check recycle timers. | | | Y | Y | |
| 13 | Check oil filters and driers, change if required. | | | | Y | |
| 14 | Check and clean water strainers. | | | | Y | |
| 15 | MOTOR Check condition and operation of motor including: - record motor current draw at full operating load and compare with rated output. - starter contacts. - overloads. - electrical connections for security,tightness, contact and corrosion. | | | | Y | |
| 16 | Test and analyse refrigerant oil for evidence of contamination and/or deterioration and provide written report. | | | | Y | |
| 17 | CONDENSER Remove and check condenser ends: Clean and treat condenser ends. Check condenser tubes. Check sacrificial anode if fitted. * Provide written report on findings and condition. | | | | Y | |
| 18 | Where fitted check externally accessible sacrificial anode. | | | Y | Y | |
| 19 | Where fitted check internally accessible sacrificial anodes. | | | | Y | |
| 20 | Record all readings and results in logbook. | | Y | Y | Y | |

Disclaimer -This TDS is intended to provide guidance only to support Preventative Maintenance servicing activities. All TDS users are encouraged to read and understand the full [Conditions of Use](#) provided on the final page of this document and on the DPTI website.

For more information please contact the applicable Facilities Management Service Provider.



Government of South Australia
Department of Planning,
Transport and Infrastructure

Download Date: 22/12/2020

Special Comments and Technical Data

B SERVICE MONTHLY

C SERVICE QUARTERLY

D SERVICE ANNUAL

NB: IF THE CONDENSER WATER SYSTEM IS ISOLATED OVER 48 HOURS,
IT MUST BE DRAINED AND CLEANED.

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