

Chiller - Centrifugal - Water Cooled

Activity		Type Of Service				
		A	B	C	D	E
Last Issue Date: 27/09/2017						
1	Check and record return and flow water temperatures.		Y	Y	Y	
2	Check and record head, suction and oil pressures.		Y	Y	Y	
3	Check compressor oil level, adjust if required.			Y	Y	
4	Check operation of sump heater.			Y	Y	
5	Check all safety devices and controls.			Y	Y	
6	Check operation of flow switches.			Y	Y	
7	Check temperature controls.			Y	Y	
8	Check and record condenser/ chilled water pressure drop across vessels at full flow.			Y	Y	
9	Check refrigerant charge and circuit, especially for leaks.			Y	Y	
10	Check lead/ lag sequence and change if applicable.			Y	Y	
11	Check condition and operation of all indicator lamps.			Y	Y	
12	Check recycle timers.			Y	Y	
13	Change oil filters and driers.				Y	
14	Check and clean water strainers.				Y	
15	MOTOR Check condition and operation of motor including: a) Record motor current draw at full operating load and compare with rated output. b) Starter contacts. c) Overloads. d) Electrical connections for security, tightness, contact and corrosion.				Y	
16	REFRIGERENT OIL a) Test and analyse oil for evidence of contamination and/ or deterioration and provide written report. b) Label sample with name of installation, plant identification & date.				Y	
17	CONDENSER a) Remove and check condenser ends. b) Clean and treat condenser ends. c) Check condenser tubes. d) Check sacrificial anode/s and replace if required. See note in Special Comments. e) Provide written report on findings and condition.				Y	
18	Where fitted check externally accessible sacrificial anode/s.				Y	
19	Where fitted check internally accessible sacrificial anode/s.				Y	
20	Record all readings and results in the log book.		Y	Y	Y	

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



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Department of Planning,
Transport and Infrastructure

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Special Comments and Technical Data

B SERVICE MONTHLY

C SERVICE 3 MONTHLY

D SERVICE ANNUAL

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

NOTE: IF THE CHILLER OPERATES CONTINUALLY FOR PROCESS COOLING AND THE LIKE, THE SACRIFICIAL ANODE/S WILL REQUIRE INSPECTION EVERY 6 MONTHS & MAY NEED TO BE REPLACED.

MAINTENANCE PROCEDURES SHOULD CONFORM TO MANUFACTURER'S RECOMMENDATIONS.

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