

Dual Fuel (Gas and Diesel) Boilers

Activity		Type Of Service				
		A	B	C	D	E
Last Issue Date: 16/12/2020						
1	Check for the correct switchover to back-up diesel operation (in the event of mains gas failure).		Y		Y	
2	Check and record flow and return water temperatures and pressures.				Y	
3	Check condition and operation of all controls including: a) Control thermostats. b) Flame detector. c) High limit thermostats. d) Fuel shut-off valves. e) Gas control valves for shut-off. f) Safety valves. g) All other safety controls and devices.				Y	
4	Check, especially for cleanliness, corrosion, damage or wear: a) Gas burner nozzles. b) Pilot burner. c) Thermocouple. d) Electrodes, insulators, clean and set gap. e) Combustion air fan and fan blades. f) Photo-cell viewing head. g) Pump (if fitted).				Y	
5	Check and clean diesel fuel nozzle body, swirler and core (flush out nozzle).				Y	
6	Check diesel fuel oil filter, clean or replace as appropriate.				Y	
7	Check condition and operation of flue.				Y	
8	Check plant room air intake louvres, especially for any obstructions.				Y	
9	Check firing chamber and all water tubes especially for signs of deterioration, scaling or corrosion.				Y	
10	Check water, diesel fuel and gas supply systems condition, especially for leaks.				Y	
11	Carry out combustion efficiency test and adjust to achieve maximum efficiency.				Y	
12	For boilers with hazard levels A, B or C undertake independent inspection to meet the registration requirements.				Y	
13	Check and adjust, if necessary: a) Temperature settings. b) Gas input. c) Test sensor operation. d) Function of the ionisation on the burner control unit.				Y	
14	Record the results in the logbook and submit a customer service report to the FMSP.				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,
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Download Date: 22/12/2020

Special Comments and Technical Data

B SERVICE MONTHLY
D SERVICE ANNUAL

SERVICING ACTIVITIES AND FREQUENCIES MAY VARY DEPENDING ON SITE CONDITIONS & MANUFACTURER'S RECOMMENDATIONS.

FOR THE ANNUAL INDEPENDENT INSPECTION REQUIREMENT REFER TO ME238.
FOR THE REGISTRATION REQUIREMENT EVERY 5 YEARS REFER TO ME171A.
(NOTE: BOILERS WITH A HAZARD LEVEL OF A, B OR C (AS4343) REQUIRE REGISTRATION.)

DIESEL NOTE: DIESEL HAS A STORAGE LIFE AFTER WHICH IT BECOMES STALE OR BAD AND MAY DAMAGE THE PLANT / EQUIPMENT AND REDUCE RELIABILITY. FACTORS INFLUENCING THE LIFE INCLUDE: HIGH TEMPERATURES AND HUMIDITY, TANK CLEANLINESS AND AIRTIGHTNESS. ADDITIONALLY CERTAIN ADDITIVES NATURALLY DEGRADE OVER TIME. GENERALLY, DIESEL LASTS FOR 1 YEAR IN TEMPERATURES BELOW 30degC AND 6-12 MONTHS IN TEMPERATURES ABOVE 30 degC. THUS ESPECIALLY FOR EXTERNAL, BULK TANKS THIS IS AN IMPORTANT CONSIDERATION.

SECONDARY TDSs ARE:
ME247 Diesel Fuel Cleaning & Polishing - Auxiliary Tank
ME248 Diesel Fuel Cleaning & Polishing - Bulk Tank

APPLICABLE LEGISLATION, STANDARDS AND GUIDELINES: WH&S REGULATIONS AND AS1228, AS2593, AS3788, AS3873.
NOTE: AS2593, TABLE 1 PROVIDES MAINTENANCE PARAMETERS.

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