
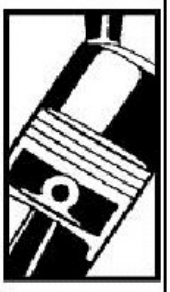

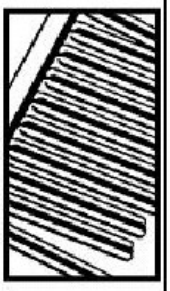

Shell Marine Fuel Oil 380

DESCRIPTION

Shell Marine Fuel specifications provide a broad choice of fuel qualities that enable the most economic fuel to be safely matched to the appropriate engine and its associated fuel system.

Shell Marine Fuel Oil 380 is a residual fuel oil with a maximum viscosity at 50℃ of 380 cSt. The fuel properties will need to be matched to the appropriate engine or burner and associated fuel system.

The specifications are kept under constant review against a background of engine and equipment developments.

Shell Marine Fuel Oil 380 meets the requirements of ISO 8217:2005 (E) Grade RMG 380.

HEALTH AND SAFETY

It is unlikely to present any significant health or safety hazard when properly used in the recommended application.

For further guidance on product health & safety refer to the appropriate Shell Material Safety Data Sheet (MSDS).

TYPICAL CHARACTERISTICS

DESCRIPTION	UNITS	METHODS	LIMITS
Density @ 15 °C	kg/m^3	ASTM D1298/D4052	990.0 – 991.0
Viscosity @ 50 °C	mm^2/s	ASTM D445	380 max
Flash Point	°C	ASTM D93	61 min
Pour Point	°C	ASTM D97	30 max
Sulphur	% mass	ASTM D2622	4.0 max
Water	% vol	ASTM D95	0.5 max
Ash	% mass	ASTM D482	0.1 max
Carbon Residue	% mass	ASTM D4530	18.0 max
Strong Acid Number	mg KOH/gm	ASTM D974	nil
Total Acid Number	mg KOH/gm	ASTM D974	3.0 max
Aluminium + Silicon	mg/kg	ASTM D5184	80 max
Vanadium	mg/ kg	ASTM D5863	300 max
Total Sediment Existent	% mass	ASTM D4870	0.1 max
Total Sediment Potential	% mass	ASTM D4870	0.1 max

ADVICE

Advice on applications not covered in this leaflet may be obtained from your Shell Representative or the Shell Customer Service Centre: Free Call 1300 134 205

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