

## Description

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

## Performance Features

Marine Fuel Oil 380 meets the requirements of ISO 8217:2017 (E) Grade ISO-F-RMG 380

## Applications

Viva Energy Marine Fuel Oil 380 is suitable for the following applications: -

- appropriate engine or
- burner or
- associated fuel system.

## Health, Safety and Environment

Guidance on health and safety is available on the appropriate Safety Data Sheet which can be obtained from the Viva Energy Technical Help Desk.

## Typical Characteristics

Properties	Units	Methods	MFO 380 Typical
Density @ 15°C	Kg/m <sup>3</sup>	ASTM D1298 / D4052	985.5 (991.0 max)
Viscosity @ 50°C	mm <sup>2</sup> /s	ASTM D445	256 (380 max)
Flash Point	°C	ASTM D93	95 (60 min)
Pour Point	°C	ASTM D97	6 (30 max)
Sulphur	% mass	ASTM D2622	2.6 (3.5 max)
Water	% vol	ASTM D95	0.10 (0.5 max)
Ash	% mass	ASTM D482	0.02 (0.1 max)
Carbon Residue	% mass	ASTM D4530	9.5 (18.0 max)
Strong Acid Number	mg KOH/gm	ASTM D974	Nil
Total Acid Number	mg KOH/gm	ASTM D974	2.5 max
Aluminium + Silicon	mg/kg	ASTM D5184	53 (60 max)
Vanadium	mg/kg	ASTM D5863	78 (350 max)

## Technical Help Desk

Phone	1300 134 205
Email	technicalhelpdesk@vivaenergy.com.au