

Opt-in Carbon Neutral Very Low Sulphur Oil

Marine

Description



Viva Energy Opt-in Carbon Neutral Very Low Sulphur Marine Fuel Oil 80 is a Climate Active certified product that has undergone rigorous carbon footprint analysis to achieve carbon neutral certification against the Australian Government's Climate Active Carbon Neutral Standard. The purchase of carbon offsets has been used to cancel out greenhouse gas emissions associated with the extraction, transportation, manufacture, supply and combustion of Opt-in Carbon Neutral Very Low Sulphur Marine Fuel Oil 80, by investing in projects that reduce or remove emissions. There are no physical changes to the product so there are no changeover or operability concerns and the product can be used in accordance to applications and specifications as detailed below.

Viva Energy Very Low Sulphur Marine Fuel Oil 80 has been developed to comply with the new IMO regulations, which requires that the Sulphur level be reduced to 0.5% mass. It is a light fuel oil with a maximum viscosity of 80 cSt at 50°C. The fuel properties will need to be matched to the appropriate engine or burner and associated fuel system.

Alternatively known as VERY LOW SULPHUR FUEL OIL CO2 NEUTRAL.

Performance Features

Very Low Sulphur Marine Fuel Oil 80 meets the requirements of ISO 8217:2017 (E) Grade ISO-F-RMD 80.

Applications

Viva Energy Very Low Sulphur Marine Fuel Oil 80 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 Physical Characteristics

Properties	Units	Methods	MFO 380Typical
Density @ 15°C	Kg/m ³	ASTM D1298 / D4052	898.5 (975.0 max)
Viscosity @ 50°C	mm ² /s	ASTM D445	6.5 (80 max)
Flash Point	°C	ASTM D93	75 (64 min)
Pour Point	°C	ASTM D97	6 (30 max)
Sulphur	% mass	ASTM D2622	0.45 (0.5 max)
Water	% vol	ASTM D95	0.10 (0.5 max)
Ash	% mass	ASTM D482	0.01 (0.070 max)
Carbon Residue	% mass	ASTM D4530	0.5 (14.0 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	28 (60 max)
Vanadium	mg/kg	ASTM D5863	2 (150 max)

Technical Help Desk

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