ExxonMobil

Mobilgard™ 540

ExxonMobil Marine , Canada

Marine Diesel Engine Cylinder Oil

Product Description

Mobilgard ™ 540 by ExxonMobil is a high quality marine diesel engine cylinder oil for slow-speed crosshead engines and is specifically formulated for engines running on 0.50 percent sulphur fuels and is suitable for Ultra Low (<0.10%S) sulphur fuel operation in conjunction with Original Equipment Manufacturer (OEM) guidance. Designed to maximise all-round performance through use of a balanced formulation, Mobilgard 540 has a BN level of 40mg/KOH/g to sufficiently neutralise acid formulation whilst also keeping engines clean to minimise maintenance requirements. To ensure optimum lubricant distribution and oil film retention to help protect engine parts, Mobilgard 540 has an optimum viscosity of 20cST at 100C.

Features and Benefits

- Combats deposits and scuffing related engine wear issues associated with the usage of 0.50 percent sulphur fuels
- Balanced formulation provides excellent acid neutralisation properties in which cleaner engines can lead to reduced component wear rates
- Excellent thermal and oxidative stability to ensure performance in a wide range of engine operating conditions

Applications

- Marine crosshead engines

Specifications and Approvals

This product has the following approvals:
MAN Energy Solutions Copenhagen (Heritage MAN B&W) Category I for 2-Stroke Marine Engines
Winterthur Gas and Diesel Engine (Heritage Wartsila & Sulzer) Liquid Fuel General Usage for 2-Stroke Marine Engines according to manufacturer´s latest operating guidelines
Winterthur Gas and Diesel Engine (Heritage Wartsila & Sulzer) Gas General Usage for 2-Stroke Marine Engines

This product meets or exceeds the requirements of:
Japan Engine Corporation (Heritage MHI) 2-Stroke engines according to manufacturer's latest operating guidelines

Properties and Specifications

Property	
Grade	SAE 50
Density @ 15 C, g/ml, ASTM D4052	0.919
Flash Point, Cleveland Open Cup, °C, ASTM D92	248

Property	
Pour Point, °C, ASTM D97	-21
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	216
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	20
Viscosity Index, ASTM D2270	98
Total Base Number, mgKOH/g, ASTM D2896	40

Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ http://www.msds.exxonmobil.com/psims/psims.aspx

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com
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