ExxonMobil

Mobilgard™ 540

ExxonMobil Marine , Morocco

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:
Everllence (formerly MAN Energy Solutions) Category I for 2-Stroke Marine Engines
WinGD Ltd. Liquid Fuel General Usage for 2-Stroke Marine Engines according to manufacturer´s latest operating guidelines

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
Pour Point, °C, ASTM D97	-21
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	216

Property	
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

All trademarks used herein are trademarks or registered trademarks of Exxon Mobil Corporation or one of its subsidiaries unless indicated otherwise.

07-2025
ExxonMobil Marine Limited
Ermyn Way
Leatherhead, Surrey
United Kingdom KT22 8UX

http://www.exxonmobil.com

Due to continual product research and development, the information contained herein is subject to change without notification. Typical Properties may vary slightly.

ExxonMobil

© Copyright 2003-2026 Exxon Mobil Corporation. All Rights Reserved