



Mobilgard™ 5145

ExxonMobil Marine , Canada

Marine Diesel Engine Cylinder Oil

Product Description

Mobilgard™ 5145 by ExxonMobil is a premium quality, extra high performance, marine diesel engine cylinder oil. The outstanding performance of Mobilgard 51· has been demonstrated at the elevated peak firing pressures and liner temperatures found in modern marine two stroke engines. It has an optimum viscosity of 20 100°C and low volatility to ensure excellent lubricant distribution and oil film retention. Mobilgard 5145 has demonstrated outstanding acid neutralisation capal cleanliness and excellent ring and liner protection under sustained operation in highly corrosive engines under a variety of operating conditions, including slow ste Through the use of a balanced formulation, the high viscosity and low volatility is attained with little or no use of bright stock which can create deposit formation poor thermal stability.

Features and Benefits

Features and Benefits

- Excellent corrosion protection in newer, more demanding engine types all operations, including slow steaming, leading to lower feed rates.
- Supreme thermal and oxidation stability can lead to reduced deposits and sludge formation. Cleaner engines can lead to reduced component wear rates.
- Exceptional anti-wear properties lead to potentially reduced liner and ring wear and excellent anti-scuffing control.
- Outstanding detergency capability leads to potentially cleaner pistons and liners and can help extend periods between overhauls.

Specifications and Approvals

This product has the following approvals:
MAN Energy Solutions Copenhagen (Heritage MAN B&W) Category II 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 oper guidelines

Properties and Specifications

Property	
Grade	SAE 50
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	20
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	210
Viscosity Index, ASTM D2270	105
Density @ 15 C, kg/m3, ASTM D4052	0.976
Pour Point, °C, ASTM D97	-24
Flash Point, Cleveland Open Cup, °C, ASTM D92	250
Total Base Number, mgKOH/g, ASTM D2896	145

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

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

04-2024

Imperial Oil

Petroleum and Chemicals Division

Lubricants and Specialties

240 Fourth Ave SW

C. P. 2480, Station M

Calgary AB T2P 3 M 9

1-800-268-3183

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

ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Mobil, or ExxonMobil. Nothing in this document is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with the local ExxonMobil-affiliate entity.

ExxonMobil

Exxon

Mobil

Esso

XTO

© Copyright 2003-2024 Exxon Mobil Corporation. All Rights Reserved