



## Mobilgard™ 525

ExxonMobil Marine , Ethiopia

Diesel Engine Cylinder Oil

### Product Description

Mobilgard™ 525 is a marine diesel engine cylinder oil for crosshead engines running low and ultra low sulphur distillate fuels and meets the requirements of MAN and Wartsila engines. Designed to protect in extreme environments, Mobilgard 525 has an optimum viscosity of 20 cSt at 100°C and low volatility to ensure lubricant distribution and oil film retention and help protect engine parts.

### Applications

- Combats the deposits and scuffing related engine wear associated with low sulphur fuels
- Excellent thermal and oxidative stability to ensure performance in a variety of engine conditions
- Formulated with detergent technology required to deliver excellent performance with low-sulphur fuel
- Detergency system provides strong control of piston groove deposits which is a critical area for distillate fuel operation
- Marine crosshead engines designed for increased power and fuel efficiency
- Earlier engine designs and engines in slow speed steaming operation

### Specifications and Approvals

**This product meets or exceeds the requirements of:**

Winterthur Gas and Diesel Engine (Heritage Wartsila & Sulzer) 2-Stroke engines according to manufacturer's latest operating guidelines

### Properties and Specifications

Property	
Grade	SAE 50
Flash Point, °C, ASTM D92	286
Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445	20
Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445	226
Pour Point, °C, ASTM D97	-9
Specific Gravity, 15 C/15 C, ASTM D4052	0.909
Total Base Number, mgKOH/g, ASTM D2896	25
Viscosity Index, ASTM D2270	102

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

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