



Mobilgard™ 525

ExxonMobil Marine , Malawi

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 ² /s, ASTM D445 | 20 |
| Kinematic Viscosity @ 40 C, mm ² /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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