

Mobilgard™ 525

Cylinder oil designed to protect engines operating on distillate fuels



Energy lives here™

Product features

Mobilgard™ 525 cylinder oil provides excellent protection for slow-speed marine engines operating on distillate fuels with up to 0.5 per cent sulphur. Mobilgard 525 cylinder oil has been engineered using a balanced formulation approach that leverages leading technology and application expertise. It can help:

- **Combat deposits and scuffing-related engine wear associated with low-sulphur fuels**
- **Deliver excellent performance and cleanliness with low-sulphur fuel due to detergent technology formulation**
- **Provide excellent thermal and oxidative stability to ensure performance in a variety of engine conditions**
- **Control piston groove deposits, which is critical for distillate fuel operation**

MobilGard™ cylinder oils have been trusted in the marine industry for **60+** years.

Potential benefits

Mobilgard 525 cylinder oil can help:

- 1** Prolong engine life
- 2** Minimise maintenance and total operating costs
- 3** Enhance vessel reliability
- 4** Extend piston overhaul intervals

Universally recognised

Mobilgard 525 cylinder oil is part of a range of cylinder oils available from ExxonMobil, and was engineered in close collaboration with leading marine engine builders. It has No Objection Letters from MAN Diesel & Turbo, Winterthur Gas & Diesel Ltd. (formerly Wärtsilä) and Mitsubishi Heavy Industries. Mobilgard 525 cylinder oil is most suitable for crosshead engines running distillate fuels with sulphur levels up to 0.5 per cent. It is also suitable for use with ExxonMobil Premium HDME 50™ fuel and other Emission Control Area (ECA) category fuels.

Marine engine builders	No Objection Letters
MAN Diesel & Turbo	✓
Winterthur Gas & Diesel Ltd.	✓
Mitsubishi Heavy Industries	✓

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Optimising performance

Leading engine builders recommend ongoing analysis to monitor the performance of the cylinder oil and engines while in operation. In conjunction with ExxonMobil's Mobil ServSM Cylinder Condition Monitoring programme, Mobilgard™ 525 cylinder oil can help operators to protect engines and optimise feed rates.

Mobilgard 525 cylinder oil is recommended for use with ExxonMobil Premium HDME 50™ fuel and low-sulphur fuels.

Typical properties

Mobilgard 525	
SAE Grade	50
Specific Gravity at 15°C	0.909
Flash Point, °C, ASTM D 92	286
Pour Point, °C, ASTM D 97	-9
cSt, at 40°C	226
cSt, at 100°C	20
Viscosity Index, ASTM D 2270	102
TBN, mg KOH/g, ASTM D 2896	25