

Mobilgard™ 540

Cylinder oil specifically formulated for use with 0.50% sulphur fuel



Energy lives here™

Product features

Mobilgard™ 540 cylinder oil has been specifically formulated for use in slow-speed, two-stroke marine engines operating on 0.50% sulphur fuels that comply with the International Maritime Organization's (IMO) 2020 emission regulations.

The oil has been engineered using ExxonMobil's proprietary balanced formulation approach. It has also passed stringent fit-for-use assessments. It can help:

- **Combat deposits and scuffing-related engine wear associated with low-sulphur fuels**
- **Deliver excellent cleanliness with low-sulphur fuel due to high level of detergency**
- **Ensure performance even in severe operating conditions as a result of excellent thermal and oxidative stability**

Mobilgard 540 oil is approved by
MAN ES and WinGD.

Marine engine builder	No Objection Letter
MAN ES	✓
WinGD	✓

*When compared with a standard 40 BN cylinder oil and no/limited scrape down oil analysis.

Potential benefits

Mobilgard 540 cylinder oil helps*:

- 1 Prolong engine life**
- 2 Minimise maintenance**
- 3 Enhance vessel reliability**

Established performance

Mobilgard 540 is part of the MobilGard™ range of high performance cylinder oils. It was formulated to meet the specific needs of slow-speed two-stroke marine engines operating on 0.50% sulphur fuel, including ExxonMobil's EMF.5™ range. It is backed up by more than 60 years of engineering excellence and lubrication technology.

Maximise cost savings

Mobil ServSM Cylinder Condition Monitoring, used in conjunction with Mobilgard 540, can help vessel operators optimise cylinder oil feed rates while also improving engine protection. The next-generation onboard scrape down oil analysis service can spot issues before they become problems, which can help achieve significant cost savings.

Typical properties

SAE Grade	50
Specific Gravity at 15°C	0.919
Flash Point, °C, ASTM D 92	248
Pour Point, °C, ASTM D 97	-21
cSt, at 40°C	216
cSt, at 100°C	20
Viscosity Index, ASTM D 2270	98
TBN, mg KOH/g, ASTM D 2896	40