

ExxonMobil announces Dual Fuel/LNG validation by WinGD for Mobilgard™ 540 AC, its high performance two-stroke 40BN cylinder oil



London, 7th June 2024 – ExxonMobil’s advanced 40BN cylinder oil, Mobilgard™ 540 AC, has been validated by WinGD for use in its dual fuel engines with conventional fuels, including methanol, and now LNG. The high performance cylinder oil, which also has an approval from MAN ES for use in its two-stroke engines, was developed for use in slow-speed, two-stroke marine engines operating on fuels with up to 0.50% sulphur content, LNG, ethane, methanol and LPG.

Mobilgard 540 AC has demonstrated an excellent ability to keep the engine clean while running in gas mode at optimised low feed rates. The oil is also suitable for methanol operation and with other liquid fuels up to 1.5% sulphur levels. Please refer to the latest WinGD guidelines.

This comes in addition to the existing MAN ES Category II approval, positioning the oil as a supreme oil in the two stroke marine engine space.

“Vessel operators need reliable, high performance solutions, now more than ever,” explained Yannis Chatzakis, Global Technology Program Manager at ExxonMobil. “This double validation underscores ExxonMobil’s commitment to delivering both. As with all our cylinder oils, Mobilgard 540 AC has been developed using our balanced formulation approach. This helps ensure outstanding protection at optimum feed rates, supporting the peace of mind our customers need.”

Used in conjunction with a next generation scrape-down oil analysis service, such as Mobil™ Cylinder Condition Monitoring, the cylinder oil can help:

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

Mobilgard 540 AC has demonstrated the ability to deliver these benefits while optimising cylinder oil feed-rates and effectively managing acid neutralisation in a range of engines and fuel applications. The cylinder oil has already been granted Category II status by MAN ES for use in its two stroke marine diesel engines; the addition of the Dual Fuel validation from WinGD positions the oil as one of the highest performing in the market.

“ExxonMobil continues to work with stakeholders, including engine OEMs, from across the marine industry as we believe that this offers the best results for our customers and the wider maritime sector,” said Chatzakis. “The next few years are likely to throw up new challenges as we collectively pursue a lower emissions future. Our commitment to innovation will help achieve that goal.”

Mobilgard 540 AC is available in all major ports. Full details can be found in our Ports & Services Guide - www.portsandservices.exxonmobil.com/

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The corporation’s primary businesses - Upstream, Product Solutions and Low Carbon Solutions - provide products that enable modern life, including energy, chemicals, lubricants, and lower-emissions technologies. ExxonMobil holds an industry-leading portfolio of resources, and is one of the largest integrated fuels, lubricants and chemical companies in the world. To learn more, visit exxonmobil.com and the [Energy Factor](#).

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