

Norwegian fishing vessel eliminates lacquering and cuts engine oil consumption by 50 per cent

M/V Krossfjord | MAN Diesel & Turbo Alpha 9L27/38



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The M/V Krossfjord tackled problematic lacquer formation, reduced oil consumption and lowered its operating costs by switching to Mobil Delvac™ 1640 diesel engine oil.

Situation

Eighteen months after delivery from the shipyard, the M/V Krossfjord began experiencing lacquering issues on its engine's cylinder liners. Due to the potential engine damage and increased oil consumption, the owner needed to explore ways to control the deposit formation.

Recommendation

Working with ExxonMobil field engineers, and with the input of MAN Diesel & Turbo, the owner initiated an 8,000-hour field trial to investigate the effectiveness of Mobil Delvac 1640 diesel engine oil in reducing cylinder lacquer formation. Mobil Delvac 1640 oil is formulated from advanced technology base oils to provide exceptional performance in both modern and older model diesel engines. ExxonMobil suggested that throughout the test, oil samples were sent at regular intervals to its Signum Oil Analysis laboratory for a detailed examination.

Impact

At the end of the trial, engineers from ExxonMobil and MAN Diesel & Turbo conducted an onboard inspection, which found the engine in good condition. Mobil Delvac 1640 oil helped prevent lacquer formation on the cylinder liners. Oil consumption also dropped from 90-100 litres per day to 45 litres, a 50 per cent reduction. This provided an annual savings of more than US \$10,000.

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50%