

Lubricant cost halved and ODI increased by eight times

Reederei Eicke GmbH & Co. KG | Caterpillar 3508 engine



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Switching the MV Kornett's auxiliary engine to Mobil Delvac 1™ 5W-40 synthetic engine oil and implementing a SignumSM oil analysis programme extended the operator's oil drain interval (ODI) by eight times while providing cost savings. It also helped to reduce waste, fuel costs and maintenance time.

Situation

Good cost control over operational expenses is essential in shipping. Turning to synthetic lubricants can be a smart way to increase efficiency and cost savings, thanks to the performance advantages they provide. Reederei Eicke GmbH & Co. KG was using a mineral oil on board the MV Kornett, but was looking to drive efficiencies from its lubricant choice and turned to ExxonMobil for a new approach.

Recommendation

ExxonMobil engineers inspected the MV Kornett's engines prior to recommending a switch to Mobil Delvac 1 5W-40 synthetic engine oil. The engine, which has an oil volume of 218 litres, was in good condition after 12,139 running hours. Based on data from Signum oil analysis results and the crew's engine inspections, ExxonMobil's engineers were able to significantly extend the oil drain interval.

Impact

For Reederei Eicke, using Mobil Delvac 1 5W-40 oil instead of a mineral oil enabled it to increase engine oil drain intervals from 500 hours to more than 4,250 hours, saving more than 50 per cent on annual lubricant costs. Further benefits included reductions in oil waste, maintenance and fuel consumption. The savings and subsequent productivity increase prompted the company to switch the auxiliary and emergency engines of its entire fleet to Mobil Delvac™ synthetic engine oils.

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