

General Electric approves Mobil Delvac™ 1640 oil for use in engines running on distillate fuel

North Sea Shipping AS | GE 16V250



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Mobil Delvac™ 1640 diesel engine oil demonstrated exceptional protection and cleanliness in General Electric (GE) engines running on distillate fuel, leading to the lubricant being approved by the engine builder.

Situation

General Electric approves individual oils for its engines running on distillate fuel and wanted to be able to recommend a wider range of suitable lubricants to vessel operators. Therefore, the engine builder asked ExxonMobil to evaluate the performance of Mobil Delvac 1640 diesel engine oil with the aim of assessing if the oil provided the required level of engine protection.

Recommendation

With support from Denmark-based North Sea Shipping, ExxonMobil initiated a 4,000-hour field test on the MV Sea Giant, a modern multipurpose offshore supply vessel running six GE 16V250 engines. The objective of the trial was to evaluate the effectiveness of Mobil Delvac 1640 oil in protecting engines against high-temperature deposits, sludge buildup and corrosion. The lubricant was run on two of the ship's six engines during the test, which showed low wear rates and high oil cleanliness, leading to lower maintenance costs and longer component life.

Impact

This field test demonstrated Mobil Delvac 1640 diesel engine oil's ability to protect General Electric engines running on distillate fuel while retaining good levels of cleanliness. The results showed that the oil protects against sludge, deposit buildup and lacquer formation. In turn, this can help lead to longer oil and component life and also can help improve engine performance. As a result of the test, General Electric issued a No Objection Letter for the use of Mobil Delvac 1640 engine oil in its engines.

A 4,000-hour test showed
**the benefits of using
Mobil Delvac 1640 oil**
in General Electric engines.
