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- ExxonMobil's Equipment Builder team partnered with gearbox manufacturer REINTJES to conduct tests
- Results indicate Mobil SHC™ 626 synthetic gear oil can reduce energy losses
- High performance synthetic lubricant also found to cut fuel consumption

London – Mobil SHC 626 gear oil can help to improve marine gearbox thermal and mechanical efficiency when compared to mineral oils, according to recent tests. The fully synthetic lubricant was proven to reduce energy losses and cut fuel consumption.

ExxonMobil's Equipment Builder team and distributor partner Den Hartog conducted the tests with gearbox manufacturer REINTJES.

Using state-of-the-art power and torque monitoring devices, a selection of representative oils were tested on a marine gearbox Type WAF 364 at the REINTJES TEV development test facility in Hameln, Germany.

Results indicated that Mobil SHC 626 gear oil helped improve gearbox thermal and mechanical efficiency by 0.27 per cent compared with Mobil Delvac™ 1330 engine oil. While seemingly a small figure, for a fully mechanically optimised gearbox, this equates to a significant reduction in total energy losses of 10 per cent and an approximate saving of €1,400 per year.

In addition, further examination showed that thermal and mechanical stress on all gearbox components had decreased while used oil analysis indicated that all oils were in near-new condition without any sign of wear.

These findings point to further potential savings from extended component and oil life, plus increased maintenance intervals.

Rainer Lange, Mobil SHC™ Brand Advisor – EAME, ExxonMobil, comments: "This is a great example of how a comparatively small change, such as changing a lubricant, can deliver significant energy efficiency benefits and cost savings". The results of the rig tests with REINTJES demonstrate once again that the performance features delivered by [Mobil SHC 600 Series](#) lubricants can offer very real and quantifiable benefits to a business."

Mobil SHC 626 is an exceptional performance gear and bearing oil designed to provide outstanding service in terms of equipment protection, oil life and problem-free operation.

For more information about Mobil-branded lubricants and services, visit mobilindustrial.com and <https://www.exxonmobil.com/en/marine>.

* Actual results may vary depending upon the type of equipment used and its maintenance, operating conditions and environment, and any prior lubricant used.

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About ExxonMobil

ExxonMobil is one of the world's largest suppliers and marketers of fuels, lubricants and specialties, including lubricant base stocks and waxes. Tracing its lubricants history to the Vacuum Oil Company, formed in 1866 and acquired in 1879, ExxonMobil has been at the forefront of lubricant technology innovation for more than 150 years. Its breakthrough products have helped to power some of mankind's greatest technological feats, including the first gasoline-powered automobile, the first electric generating system, the first powered flight and the first space shuttle launch, among others. Today, ExxonMobil continues to develop new lubrication solutions for tomorrow's machinery, to help keep the world moving.

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