

Mobil ServSM engineering support services team helps component manufacturer enhance energy efficiency and reduce operating costs



Energy lives here™

Hydraulic pump | Global component manufacturer | Wisconsin, United States

Situation

A global component manufacturer and supplier for the automotive-transportation industry, has a deep commitment to sustainability that includes specific targets to reduce its own energy use and deliver increasingly sustainable products to its automotive customers. To help the company achieve these goals, ExxonMobil identified a new lubrication strategy to help enhance energy efficiency and productivity.

Recommendation

Through its **Mobil ServSM engineering support services** offer, ExxonMobil engineers recommended the company switch its hydraulic pumps to an energy efficient hydraulic oil – **Mobil DTE 10 Excel™ 46** hydraulic oil – and implement routine used oil analysis to optimize performance. **Mobil DTE 10 Excel™ 46** is verified as an energy efficient technology by the State of Wisconsin's Focus on Energy program. The oil is engineered to reduce power consumption while also keeping systems clean up to three times longer than conventional, mineral-based oils. Engineers also recommended conducting biannual **Mobil ServSM Lubricant Analysis** and **Mobil™ Hydraulic Fluid Durability** to evaluate engine and oil cleanliness.

Impact

After making the switch to **Mobil DTE 10 Excel 46** hydraulic oil, the company reduced its CO₂ footprint by 19 tons per unit. The switch also reduced equipment downtime by 15 hours, helping enhance productivity.

Benefit

The company reports that **Mobil DTE 10 Excel 46** hydraulic oil helped reduce energy consumption and improve productivity. The company was also able to receive financial incentives from Wisconsin's Focus on Energy program. Together, these benefits delivered significant cost savings.

Company-estimated annual energy-consumption savings of

US \$4.7K

per hydraulic pump.

Industrial
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This Proof of Performance is based on the experience of a single customer. Actual results can vary depending upon the type of equipment used and its maintenance, operating conditions and environment, and any prior lubricant used. In this document, ExxonMobil means Exxon Mobil Corporation or one of its affiliates.

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