

Mobil Pegasus 1005 has extended oil drain intervals by 150%*



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Caterpillar CAT 3516 C natural gas engines | Combined Heat and Power (CHP) plants | United Kingdom

Situation

ExxonMobil Fuels & Lubricants worked alongside a UK district energy company to help improve productivity and bring significant cost savings to its operation. The company operates several tri-generation sites which produce heat, power and chilled water to meet the needs of some of the most pivotal public and private energy users in the Midlands. Using previous mineral engine oil, the company was achieving 1,000 hour oil change intervals based on used oil analysis results.

Recommendation

To achieve significant increase in the efficiency of the gas engines used across five Combined Heat and Power (CHP) plants, ExxonMobil recommended upgrading to the premium gas engine oil, **Mobil Pegasus™ 1005** as well as continue monitor oil condition with **Mobil ServSM Lubricant Analysis** programme.

Benefit

Mobil Pegasus 1005 gas engine oil has increased oil drain interval (ODI) by 150% when compared against the previous mineral product. After 2,500 hours of use, **Mobil ServSM Lubricant Analysis** has shown that the oil was still suitable for application.

Oil drain interval increased by up to
150%

Industrial Lubricants



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Safety

Safety hazards were decreased with less handling and movement of lubricants. Reduced planned maintenance, as a result of the extended ODI, has also helped to reduce employee interaction with equipment and associated injury risks.

Environmental Care

Extended ODI has helped to decrease used oil generated for disposal by 52%**.

Productivity

The annual savings generated were calculated at approximately £21,600 for the five applications as a result of increased equipment availability, reduced annual oil consumption/cost, and lower maintenance and oil disposal costs.

* 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.

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