

Mobil ServSM Engineering team helps landfill gas-to-energy plant reduce oil consumption and extend oil drain intervals



Energy lives hereTM

CAT 3520 gas engine | Landfill gas-to-energy plant | Pennsylvania, United States

Situation

A Pennsylvania-based landfill gas-to-energy plant provides asset management and operating support for renewable energy and distributed generation projects. Historically, the plant has used a standard gas engine oil for its CAT 3520 landfill gas engines. Seeking to assist the company in reducing its total cost and time associated with oil changes across the entire engine fleet, the **Mobil ServSM Engineering** team initiated talks to trial the new **Mobil PegasusTM 605 Ultra 40** gas engine oil.

Recommendation

The **Mobil Serv Engineering** team recommended a full trial of **Mobil Pegasus 605 Ultra 40** gas engine oil, which has been shown to increase oil drain intervals up to two times in other studies, along with **Mobil ServSM Lubricant Analysis** to track its performance. After completing a **Mobil ServSM Product Recommendation Study** and Landfill Gas Engine Inspection, the team recommended converting the remaining 15 CAT 3520 engines to **Mobil Pegasus 605 Ultra 40** gas engine oil.

Impact

The trial of **Mobil Pegasus 605 Ultra 40** showed a 52% reduction in oil consumption and the potential to extend oil drain intervals. A visual engine inspection conducted by the **Mobil Serv Engineering** team concluded no unusual wear and exceptional engine cleanliness. As a result, the company estimates that switching to **Mobil Pegasus 605 Ultra 40** can generate potential annual savings of US \$210,000.

Benefit

Mobil Serv Lubricant Analysis results indicated that **Mobil Pegasus 605 Ultra 40** engine oil could help extend oil drain intervals and reduce oil consumption, generating company-estimated potential annual savings of US \$210,000.

Reduced engine oil consumption by
52%

Industrial
Lubricants



**Advancing
Productivity**TM

Advancing productivity

Helping you reach your Safety, Environmental Care and Productivity goals through our innovative lubricants and services is our highest priority. That's Advancing Productivity. And that's how we help you achieve your broader vision of success.

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.

© 2019 ExxonMobil. All trademarks and service marks used herein are trademarks or registered trademarks of Exxon Mobil Corporation or one of its subsidiaries.
POP 2019-032

mobil.com/industrial