

Mobil Pegasus 1107 increases oil drain interval and reduces both oil consumption and waste oil



MWM TCG 2032 B 4.5 MW gas engine | CHP at a Textile Dyeing and Finishing Plant | Portugal

Situation

ExxonMobil and their Authorised Distributor, Moove, completed a Mobil ServSM Optimum Drain Interval Study for MWM Spain, operating a Combined Heat and Power (CHP) engine at a textile dyeing and finishing plant. The company had the ambition to improve their productivity with less downtime caused by oil drains, reduce engine interactions, and decrease safety hazards related to frequent oil and filter changes on their MWM TCG 2032B V16 engine.

Recommendation

Based on the findings of the drain interval study, MWM Spain was advised to upgrade to the high performance gas engine oil, Mobil Pegasus 1107, and start oil condition monitoring via Mobil ServSM Lubricant Analysis (MSLA), to extend the oil drains without compromising protection of critical engine parts and components.

Benefits

The transition to Mobil Pegasus 1107 and Mobil ServSM Lubricant Analysis resulted in the following benefits*:

- Oil drain interval (ODI) increased by 167% from 1,800h to 3,000 hours when compared against the previous oil
- Oil consumption decreased from 0.35 g/kWh to 0.22 g/kWh, a decrease of 37%
- The decrease in the specific oil consumption and the extended ODI has helped to decrease the used oil generated for disposal by 40%**
- Annual oil filter consumption has been reduced by 70%, leading also to reduced wasted spare parts management and filter cost reduction

Oil drain interval increased by

167%

Annual oil filter consumption decreased by

70%

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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.

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