

Jenbacher N Oil 40 more than doubles the oil drain interval in Jenbacher J612 gas engine



Jenbacher J612 gas engine, operated for CHP purposes | University | Germany

Situation

A university in Germany operates two Jenbacher engines for Combined Heat and Power (CHP) production. One of the gas engines is a new J612 engine that was running on a premium quality Jenbacher approved gas engine oil, which had to be changed after 1,900 hrs based on the condemning limits of Total Base Number (TBN) and oxidation. The operator was looking for longer oil drain intervals.

Recommendation

To extend the oil drain intervals (ODI), ExxonMobil and INNIO Jenbacher engineers proposed to test Jenbacher N Oil 40, a new high-performance gas engine oil, specifically engineered for all current and next generation Jenbacher engines running on natural gas.

Jenbacher N Oil 40 was jointly developed by INNIO Jenbacher and ExxonMobil engineers. Thanks to its unique formulation, Jenbacher N Oil 40 keeps the engine oil and spare parts cleaner, offers excellent resistance to valve recession, and demonstrates improved resistance to ring sticking.

Benefits

During the 2-year field trial, which was supported by regular Mobil ServSM used oil analysis, the university observed the following benefits using Jenbacher N Oil 40:

- The oil drain interval (ODI) increased from 1,900 hours to an average of 4,300 hours
- Longer filter life
- Decreased maintenance time and lower number of manual interventions
- Increased engine uptime with more production and revenue potential
- Less waste oil

Based on its excellent performance levels during extensive testing, INNIO Jenbacher defined new used oil limits for this product, which enable working with longer oil drain intervals.

More than
DOUBLED
oil drain interval

* This proof of performance is based on the experience of one 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. Extended used oil and filter life, as well as reduced waste oil, are based on normal use of the product, as described in the technical instructions from INNIO Jenbacher.

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