

Mobil DTE 832 turbine oil helps U.S. cogeneration facility prevent downtime*



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Siemens Westinghouse 501 FD gas turbine | Dynegy Midwest Generation Inc. | Pennsylvania, United States

Situation

Dynegy Midwest Generation operates two Siemens Westinghouse 501 FD gas turbine units at its Pennsylvania cogeneration facility. In an effort to optimize equipment reliability, the company approached ExxonMobil engineers for a lubricant solution capable of enhancing component protection and prolonging performance lifespan.

Recommendation

ExxonMobil engineers recommended implementing Mobil DTE™ 832 turbine oil. Formulated with premium hydrotreated basestocks and a proprietary additive system, Mobil DTE 832 provides exceptional thermal and oxidative stability for severe service applications. Further, to meet the significant load-carrying requirements of geared turbines, the lubricant is engineered with an advanced anti-wear system.

Benefit

Mobil DTE 832 turbine oil has helped extend oil life and increase equipment reliability to generate a company-estimated annual savings of US \$100,000 in improved production availability and reduced labor expenses.

Impact

Since implementing Mobil DTE 832 turbine oil 11 years ago, Dynegy has recorded a number of performance achievements. After more than 48,000 hours in-service, there have been no system trips or unscheduled outages related to lubricant condition. During a scheduled shutdown, maintenance personnel and ExxonMobil engineers inspected the unit and confirmed that journal bearings have remained clean, while thrust bearings have avoided varnish buildup.

Company-estimated annual savings of

\$100k

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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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POP 2015-0XX