

Mobil Pegasus 805 helps double the life of five Caterpillar 3500 series lean burn engines, saving US\$585,000*



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Caterpillar 3512 and 3516 lean burn engines | XTO Energy Inc. | Ringwood, Oklahoma, United States

Situation

XTO Energy is operating two Caterpillar 3512 and three Caterpillar 3516 engines at its Ringwood, Oklahoma facility. XTO's maintenance team wanted to extend the time between the OEM-recommended overhaul intervals of 40,000 to 60,000 hours.

Recommendation

ExxonMobil engineers recommended that XTO utilize **Mobil Pegasus™ 805** in its five Caterpillar engines, as well as monitor the condition of the in-service lubricant and engine components through use of **SignumSM Oil Analysis**.

Benefit

Use of **Mobil Pegasus 805**, supported with **Signum Oil Analysis**, helped XTO achieve an average of more than 118,000 in-service hours on each of its five engines, safely doubling the engines' overhaul intervals recommended by the OEM. In addition to the extended oil service life, it is also significant that the engines' crankshafts, camshafts, rocker shafts, cam followers and rocker bushings required only polishing prior to going back into service. These components typically experience high wear during operation and require grinding before being put back into service. However, no grinding was needed. Additionally, the engines' auxiliary gears were able to be reused. Collectively, the extended engine life and minimized maintenance costs helped XTO save US\$585,000 in total engine overhaul costs. The product performance of **Mobil Pegasus 805**, alongside the application expertise provided by local ExxonMobil engineering support, once again helped to improve customer productivity.

118,000

in-service hours of gas engine

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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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