

Mobil SHC™ 632 synthetic gear oil helps mine extend equipment life and oil drain intervals*



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Falk gearbox driving main bearings | Coal mine | La Loma, Cesar, Colombia

Situation

The subject mine runs an open pit that uses draglines and a 20-mile long conveyor belt system. The conveyor system must be available for operation 365 days a year to meet the mine's production goals, so the company approached ExxonMobil engineers for a lubricant solution capable of enhancing equipment reliability and uptime.

Recommendation

ExxonMobil engineers recommended the use of **Mobil SHC™ 632** synthetic gear oil in the mine's 120 gearboxes. Formulated with high viscosity synthetic base fluids and a unique proprietary additive system, **Mobil SHC 632** is designed to provide outstanding equipment protection and long oil life. ExxonMobil engineers also recommended implementing routine **Mobil Serv™ Lubricant Analysis** to monitor oil and equipment condition.

Impact

After transitioning to **Mobil SHC 632** synthetic gear oil, the mining company was able to achieve an average operating time in its gearboxes of 20,000 hours, while protecting internal components from wear-related failures for more than 60,000 hours. The company was also able to extend oil drain intervals by more than 500% compared with the previous mineral oil it used.

Benefit

The company reports that **Mobil SHC 632** synthetic gear oil has helped enhance component protection, reduce lubricant usage and maintenance costs for a total cost savings of US \$200,000 annually.

Extended oil drain
intervals by more than

500%

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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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