Mobil SHC™

Performance by ExxonMobil

Mobil SHC™ 632 synthetic gear oil helps reduce gearbox temperatures and downtime*

Energy lives here™

Ball mill - Falk helical gear reducer gearbox | Coeur Mexicana, S.A. de C.V. | Chihuahua, México

Situation

Coeur Mexicana, S.A. de C.V., a Mexican mining company, operates a ball mill driven by a Falk helical gear reducer. Lubricated with a conventional mineral oil, the gearbox was operating at temperatures as high as 194°F (90°C). When the components exceed a certain high temperature threshold, the system automatically shuts down to prevent equipment breakdown, thus bringing production to a halt. In an effort to improve productivity, the company approached ExxonMobil engineers to determine an alternative lubricant solution to provide better performance under harsh operating conditions.

Recommendation

ExxonMobil engineers recommended transitioning to **Mobil SHC™ 632** synthetic gear oil, which is designed to reduce sliding friction, resulting in increased machine efficiency and lower operating temperatures. The engineers also recommended the implementation of routine **Mobil Serv℠ Lubricant Analysis** to monitor oil and equipment condition.

Impact

Coeur Mexicana reports that **Mobil SHC 632** has helped reduce operating temperatures by more than 18°F (10°C), which has helped prevent shutdowns due to high operating temperatures.

Benefit

Coeur Mexicana reports that the lower operating temperatures enabled by **Mobil SHC 632** synthetic gear oil has helped prevent costly unscheduled downtime and production losses.

Company-estimated annual savings of

US $470K

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Helping you reach your Safety, Environmental Care** and Productivity goals through our innovative lubricants and services is our highest priority. That's Advancing Productivity. And that's how we help you achieve your broader vision of success.

*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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