

Mobil Centaur XHP 461 helps prevent unscheduled downtime*



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Tail roller sprockets | Coal mine | Alabama, United States

Situation

An Alabama coal mine operating tail roller sprockets lubricated with a lithium-complex ISO 220 grease experienced two failures over a three month period, each resulting in an estimated five hours of lost production. Each failure resulted in an estimated five hours of lost production. In an effort to reduce component failures, the company approached ExxonMobil for a lubricant solution to address the failures, reduce related downtime and improve operational efficiency.

Recommendation

After evaluating the application and operating environment, ExxonMobil engineers recommended **Mobil Centaur XHP™ 461**, an ISO 460 bearing grease. Formulated with advanced calcium-sulfonate thickener technology, **Mobil Centaur XHP 461** provides inherent extreme pressure properties and protection against water contamination in high-moisture environments.

Benefit

Mobil Centaur XHP 461 calcium complex grease has helped this coal mine prevent equipment failure, reduce unexpected downtime, and improve productivity for a company-estimated savings of US \$252,000.

Impact

After the first three months in service, the company reported that **Mobil Centaur XHP 461** bearing grease helped eliminate the ongoing tail roller sprocket failures. Maintenance personnel reported that the company has experienced savings from lost production, labor, and replacement parts. In addition, the company has experienced reduced operational safety risks due to having fewer man-machine maintenance interactions.

Total cost savings of
\$252,000

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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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