

Mobil Centaur™ Moly 1 significantly improves bearing life in sheepfoot rollers



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Mobile Equipment Bearings | Excavating Construction Company | Utah, USA

Situation

A local excavating company operates an equipment fleet including 12 sheepfoot rollers. Unfortunately, the company was experiencing frequent bearing failures in the sheepfoot rollers resulting in production limitations and elevated maintenance costs. The company reached out to Rhinehart Oil, an authorized ExxonMobil distributor and the **Mobil ServSM engineering team** for assistance in improving bearing reliability.

Recommendation

The **Mobil Serv engineering team** in collaboration with Rhinehart Oil determined that the competitor's product, a lithium complex based grease was not providing adequate lubrication for this application. Given the slow speed, high loads, and heavy contamination with water and dirt, the team recommended upgrading to **Mobil Centaur™ Moly 1**. This calcium sulfonate based grease formulated to provide excellent protection in harsh and wet operating conditions.

Impact

Since upgrading to **Mobil Centaur Moly 1**, the company reports experienced a 35- fold improvement in bearing life. This reduced bearing failures from 24 failures per year to just 1 in 18 months.

Benefit

Mobil Centaur Moly 1 enabled the company to significantly improve reliability while reducing maintenance costs. Ultimately, this allowed the company to better meet the needs of its customers by improving the company's ability to complete projects the right way and on time.

\$52.5K

Company estimated annual savings due to increased productivity and reduced bearing failures

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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. In this document, ExxonMobil means Exxon Mobil Corporation or one of its affiliates.

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