

Mobil ServSM Engineering team and The McPherson Companies help carbon steel pipe and tubing manufacturer reduce bearing failures by 40%



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Mill stand roll bearings | Carbon steel pipe and tubing manufacturer | Alabama, United States

Situation

A leading manufacturer of carbon steel pipe and tubing in Alabama operates its mills in extreme wet conditions. This caused water washout in the equipment's grease bearings, which resulted in 90 bearing failures annually. In an effort to reduce equipment downtime, the company approached the **Mobil ServSM Engineering** team to find a solution capable of enhanced performance under severe wet conditions.

Recommendation

In conjunction with The McPherson Companies, a licensed ExxonMobil distributor, the **Mobil Serv Engineering** team conducted a full on-site analysis and recommended that the company switch to **Mobil Centaur XHPTM 462** multipurpose grease. Formulated with calcium sulfonate thickener, **Mobil Centaur XHP 462** is engineered to provide rust protection in water-saturated environments and resist water washout.

Impact

Since switching to **Mobil Centaur XHP 462** multipurpose grease, the company reports seeing improved performance in its mill stand roll bearings, including reduced water washout and improved component reliability. This improved performance helped the manufacturer reduce annual bearing failures from approximately 90 to 54.

Benefit

As a result of the **Mobil Serv Engineering** team's recommendations, the company reports that they achieved 40 percent reduction in bearing failures. As a result, this generated company-estimated annual savings of US \$119,000.

Reduced bearing failures by
40%

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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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