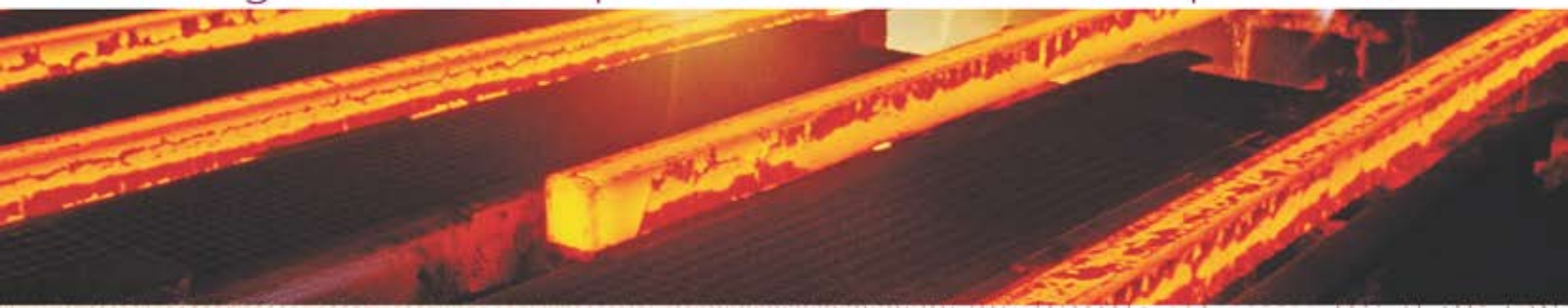


Mobil ServSM Engineering team helps steel manufacturer reduce grease consumption and maintenance expenditures



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Hot mill | Steel manufacturer | Alabama, United States

Situation

A leading steel manufacturer in Alabama was experiencing several issues with its hot mill. While using an aluminum complex grease in the hot mill, the manufacturer was regreasing more frequently than desired due to extensive water washout and high heat. Additionally, during mill operation, the hot mill's scale would come into contact with the grease and ignite, causing grease fires. In an effort to enhance the efficiency of its equipment and operation, the manufacturer approached its distributor, McPherson Oil Products, and the **Mobil ServSM Engineering** team to help reduce grease consumption, grease-related fires, and related maintenance costs.

Recommendation

To evaluate the equipment's current grease consumption, the **Mobil Serv Engineering** team implemented a **Feed Rate Optimization Study** to identify areas for grease reduction. Based on the findings, the team recommended switching to **Mobil Centaur XHP™ 461** grease, which offers improved resistance to heat and water versus traditional aluminum complex technologies.

Impact

Since switching to **Mobil Centaur XHP 461** grease, the company reports reduced annual grease consumption by 48% by increasing cycle times from every 30 minutes to every 60 minutes due to the grease's enhanced water resistance. This benefit lowered annual grease costs by US \$110,000. In addition, the manufacturer was able to reduce the number of grease fires due to the reduction of grease build up on the floor around the bearings.

Benefit

The steel manufacturer reports that the **Mobil Serv Engineering** team's recommendations help reduce grease consumption and fires, generating company-estimated annual savings of US \$110,000.

Reduced grease consumption by

48%



*McPherson
Oil Products*

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

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