

Mobilgrease XHP™ 461 grease helps prevent roller bearing corrosion and reduce grease consumption*



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Hot sheet steel rolling mill | Steel mill | Russia

Situation

A Russian steel mill operating a hot sheet steel rolling mill experienced severe water washout in its roller bearing cages and grease coking with the conventional mineral oil then in use. These performance challenges resulted in deposit formation and corrosion that shortened equipment life, so the mill approached ExxonMobil to identify a lubricant solution capable of enhancing equipment protection.

Recommendation

ExxonMobil engineers recommended switching to **Mobilgrease XHP™ 461** bearing grease for a six month trial period. Formulated with an advanced lithium complex thickener, **Mobilgrease XHP 461** is designed to provide strong adhesion and washout resistance, protection against rust and excellent thermal stability.

Impact

After monitoring the performance of the bearing cages, the mill observed that **Mobilgrease XHP 461** delivered excellent adhesive properties, water washout resistance and equipment protection. These benefits helped prevent deposit formation and grease coking, as well as reduce overall grease consumption.

Benefit

The company reports that **Mobilgrease XHP 461** bearing grease helped prevent corrosion and enhance operational efficiency in its roller bearing cages.

Mobilgrease XHP 461 helped prevent deposit formation and grease coking.

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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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