



## Mobilgrease XHP 461 Demonstrates Superb Water Washout Resistance and Improves Bearing Protection

**Hot Sheet Steel Rolling Mill  
Steel Mill  
Russia**

### Situation

A Russian steel mill experienced severe water washout of a competitor grease product from the roller bearing cages of the work rolls 2000. Maintenance personnel also observed grease coking, a side effect of high temperature exposure. As deposit formation gave way to component corrosion, the mill approached ExxonMobil to identify a lubricant solution capable of enhancing equipment protection.

### Recommendation

ExxonMobil engineers recommended transitioning to **Mobilgrease XHP™ 461** bearing grease for a six month trial period. Formulated with lithium complex manufacturing technology, **Mobilgrease XHP 461** is designed to provide superb washout resistance, protection against rust and corrosion, and excellent thermal stability.

### Result

Through closely monitoring the bearing conditions and lubricant performance, maintenance personnel confirmed the outstanding performance of **Mobilgrease XHP 461** bearing grease. **Mobilgrease XHP 461** demonstrated excellent adhesive properties, water washout resistance and equipment protection. Not only did the grease prevent bearing corrosion, deposit formation and grease coking, it also operated more efficiently, reducing overall grease consumption. Impressed by the trial results, the steel mill made the decision to gradually transition the remaining bearings to **Mobilgrease XHP 461**.

The product performance of **Mobilgrease XHP 461**, alongside the application expertise provided by local ExxonMobil engineering support, is helping to improve customer productivity potential.



***Mobilgrease XHP 461** bearing grease helped this steel mill prevent corrosion and enhance operational efficiency on its roller bearing cages.*

**For more information on Mobil™ industrial lubricants and services, call your local company representative or visit [mobilindustrial.com](http://mobilindustrial.com).**

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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.