

# Mobilgrease XHP™ 461 helps steel plant improve equipment reliability and reduce grease consumption\*



Energy lives here™

## Continuous caster | Arc-furnace steel plant | Russia

### Situation

A Russian arc-furnace steel plant used a conventional lithium soap grease to lubricate the intermediate roll-table bearings as well as the withdrawing and straightening apparatus on its continuous caster. While operating in high temperature conditions, grease coking often occurred in tubes, feeders and bearings, causing grease leakage and frequent re-greasing. In an effort to enhance equipment reliability, the plant approached ExxonMobil to identify a lubricant solution capable of reducing grease consumption and equipment downtime.

### Recommendation

ExxonMobil engineers recommended switching to **Mobilgrease XHP™ 461** lithium complex grease. Formulated with an exceptional resistance to thermal, oxidative and structural degradation, **Mobilgrease XHP 461** is designed to enhance grease efficiency and reduce grease consumption.

### Impact

After transitioning to **Mobilgrease XHP 461** lithium complex grease, the plant was able to neutralize the ongoing threat of grease coking in tubes, feeders and bearings, which helped resolve resolved any blocking issues. As a result, the plant managed to decrease grease consumption three-fold.

### Benefit

The company reports that **Mobilgrease XHP 461** has helped avoid downtime and enhance lubricant efficiency in its continuous caster.

Helped prevent  
deposit formation  
and grease coking

Industrial  
Lubricants



**Advancing  
Productivity™**

### Advancing productivity

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.

\*\*Visit mobilindustrial.com to learn how certain Mobil-branded lubricants may provide benefits to help reduce environmental impact. Actual benefits will depend upon product selected, operating conditions and applications.

© 2017 Exxon Mobil Corporation. All rights reserved. ExxonMobil shall include Exxon Mobil Corporation and its affiliates. All trademarks used herein are trademarks or registered trademarks of Exxon Mobil Corporation or one of its subsidiaries unless otherwise noted. POP 2009-623