

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



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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

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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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