

Mobilith SHC™ 460 synthetic grease helps steel mill reduce unscheduled downtime*



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Pre-furnace steel-conveyor roller bearing | Shanxi Haixin I&S Group Co., Ltd | Yuncheng City, Shanxi Province, China

Situation

Shanxi Haixin I&S Group Co., Ltd's Xinzha mill operates a pre-furnace steel-conveyor that contains many roller bearings. Due to the high operating temperatures in the furnace, the mill's conventional mineral grease was becoming heavily oxidized and degraded, resulting in premature bearing failure and shortened re-greasing intervals. In an effort to improve the mill's productivity, the company approached ExxonMobil to identify a grease solution capable of improving bearing reliability.

Recommendation

ExxonMobil engineers recommended switching to **Mobilith SHC™ 460** synthetic grease. Formulated with a synthetic base fluid and lithium complex thickener, **Mobilith SHC 460** is designed to provide excellent protection against wear, rust and corrosion, while preserving operating viscosity at high and low temperatures.

Impact

Since transitioning to **Mobilith SHC 460** synthetic grease, the company has extended the life of its roller bearings, resulting in a reduction in unscheduled downtime as well as labor and bearing replacement costs.

Benefit

The company reports that **Mobilith SHC 460** synthetic grease helped eliminate bearing failure for four years, which helped reduce unscheduled downtime and prolong bearing life, resulting in company-estimated savings of US \$85,000 over four years.

Company-estimated
average annual savings of
US \$21K

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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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