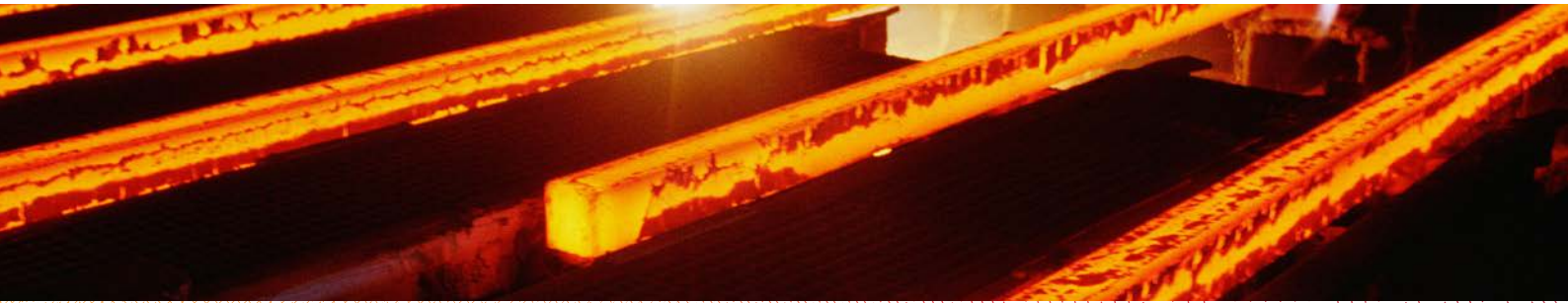


Mobilith SHC™ 007 eliminates bearing failures and improves production output*



Energy lives here™

Piercing mill, "Timken T921" thrust bearings | Tube plant | Russia

Situation

A competitor's mineral grease was used for two years to lubricate the thrust bearings (one unit cost is US \$21,000) in a thrust-regulating mechanism of a piercing mill «450». The equipment worked on full capacity non-stop, and was exposed to axial loads as high as 350 tons. Initially, grease was automatically replenished at a rate of 250 g/hour, however following bearing failures, the feed rate was increased to 500 g/hour. Although this was improved equipment performance, the wear of rollers and bearing retainers was not prevented. 5 bearings had been replaced, 2 of which led to a total of 32 hours unscheduled downtime, causing a production loss of 1600 tons of tubes. This also resulted in more regular maintenance inspections - once every two months.

Recommendation

ExxonMobil Lubrication Field Engineer recommended a low NLGI class synthetic grease, **Mobilith SHC™ 007**, with a higher penetration value. Its outstanding high temperature characteristics give it a higher stability, while its excellent structural stability combined with a special additive combination provide necessary long term equipment protection.

Benefit

The switch to **Mobilith SHC 007** has proven to be successful. The grease was initially fed at a rate of 3 times per work shift and was later reduced to 1 per work shift, moving the total grease consumption from 0,6 to 0,1 tons monthly. Furthermore, the customer has managed to significantly cut costs thanks to:

- Elimination of bearing failures
- No grease related unscheduled downtime
- Durability of bearings was increased from 3 to 17 months
- Regular maintenance inspection was extended from 2 to four months

Mobilith SHC 007 continues its service in the given application.

Maintenance costs decreased by up to

200%

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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 mobil.com/industrial 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.

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