

Mobil SHC™ 639 synthetic bearing oil helps cement mill reduce operating temperatures and extend oil drain intervals\*



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## Kiln support roller bearings | Cement mill | Karnataka, India

### Situation

A cement mill operates three integrated cement lines that include individual kilns with a capacity of 166 tons per hour. Lubricated with an ISO VG 460 mineral oil, the kilns' support roller bearings experienced frequent breakdowns, leading to unscheduled downtime. Additionally, the oil needed to be replaced every 12 months due to severe contamination and oxidation. In an effort to improve equipment reliability, the company approached ExxonMobil to identify a lubricant solution capable of avoiding equipment breakdowns and extending drain intervals.

### Recommendation

ExxonMobil engineers recommended the company switch to **Mobil SHC™ 639** synthetic bearing oil, which responds well to antioxidants, thus providing excellent oxidation resistance and sludging. Formulated with a low traction coefficient, **Mobil SHC 639** is capable of reducing operating temperatures and streamlining energy consumption.

### Impact

After transitioning to **Mobil SHC 639** synthetic bearing oil, the mill experienced a reduction in operating temperatures by 10°C (18°F) and extended oil drain intervals by 2.5 times.

### Benefit

The company reports that **Mobil SHC 639** helped reduce operating temperatures and extend oil drain intervals, generating company-estimated annual savings of US \$27,677.

Extended oil  
drain intervals by  
**2.5x**

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](http://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.

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