

Mobil SHC™ 632 helps cement company achieve a 5.67% increase in energy efficiency



Energy lives here™

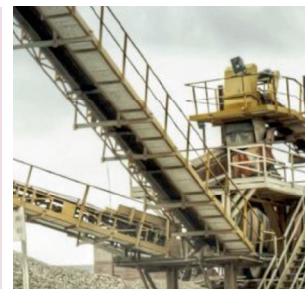
Bonfiglioli Gearbox | Cement Plant | Dalmiapuram, Tamil Nadu, India

SITUATION

Dalmia Cement Bharat Limited operates a stacker reclaimer in its Dalmiapuram plant. Lubricated with a conventional ISO 460 VG oil, the gearboxes operated at elevated temperatures and loads, resulting in shear thinning of the gear oil and the need for change-outs every 8,000 hours. In an effort to extend oil drain intervals, Dalmia Cement approached ExxonMobil to identify a lubricant solution capable of withstanding these high operating temperatures.

BENEFIT

The company reports that **Mobil SHC 632** has helped extend oil drain intervals by four times, generating significant cost and energy savings.



RECOMMENDATION

ExxonMobil engineers recommended that the company switch to **Mobil SHC™ 632** synthetic gear oil, an ISO 320 VG. Formulated with proprietary performance additives and synthetic base oils, **Mobil SHC 632** provides a much higher viscosity index and lower traction coefficient than conventional oils. It resists high temperature oxidation and shear thinning to provide superior oil film thickness under loads and longer oil drain intervals.

IMPACT

After transitioning to Mobil SHC 632 synthetic gear oil, the company used its plant energy meter to record a 5.67% increase in energy efficiency and also observed a 20°C reduction in the reclaimer gearbox operating temperature. The company estimates annual savings of US\$1,790.

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. For more information on other Mobil™-branded industrial lubricants and services, contact your local ExxonMobil representative.
*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.

© 2017 Exxon Mobil Corporation. All rights reserved. All trademarks used herein are trademarks or registered trademarks of Exxon Mobil Corporation or one of its affiliates unless otherwise noted.

POP 2017-316

mobil.com/industrial