

Mobil SHC™ 632 synthetic oil helps cement company reduce costly vertical mill bearing failures*



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Vertical mill roller bearings | Fujian Meiling Cement Co., Ltd | Quanzhou City, Fujian, China

Situation

Fujian Meiling Cement Co., Ltd operates two 2500 T/D production lines. Lubricated with an ISO 320 viscosity grade conventional mineral oil, the bearings on one of the lines were experiencing failures due to heavy loads and high operating temperatures. In an effort to improve equipment reliability, operators from Fujian Meiling Cement Co., Ltd approached ExxonMobil to identify a lubricant solution capable of extending oil drain intervals and reducing failure incidents and related operational shutdowns.

Recommendation

After conducting a root cause analysis, ExxonMobil engineers recommended the company switch to **Mobil SHC™ 632** synthetic circulating oil in its production line bearings. The high viscosity index of **Mobil SHC 632** and its synthetic formulation provides strong resistance to mechanical shear to protect equipment while extending the oil life. In addition, engineers recommended the company implement routine **Mobil ServSM Lubricant Analysis** to monitor equipment and oil condition.

Impact

After transitioning to **Mobil SHC 632** synthetic circulating oil, the company was able to improve the performance of its production line by extending oil drain intervals, reducing costs associated with bearing replacements, improving equipment productivity, and decreasing labor costs.

Benefit

Fujian Meiling Cement Co., Ltd reports that **Mobil SHC 632** synthetic circulating oil has helped extend oil drain intervals and improve equipment productivity to generate company-estimated annual savings of US \$97,000.

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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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