

Mobilith SHC™ 100 synthetic grease helps cement mill reduce unscheduled downtime and repair costs*



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MB70/90 hammer crusher | Dalian Cement Group Co., Ltd | Dalian, Liaoning, China

Situation

In June 2009, Dalian Cement Group's hammer crusher experienced frequent overheating, which resulted in multiple bearing failures. In an effort to improve equipment reliability, the company approached ExxonMobil to identify a lubricant solution capable of operating in extreme temperatures.

Recommendation

After performing an on-site investigation, bearing inspection and Elastohydrodynamic (EHL) analysis, the ExxonMobil engineer recommended the company switch to **Mobilith SHC™ 100** synthetic grease on its hammer crusher bearings. Formulated with a high performance synthetic base oil that resists viscosity thinning and oxidation at elevated temperatures and a proprietary lithium complex thickener for robust structural stability, **Mobilith SHC 100** is designed for a wide variety of applications that operate at high temperatures.

Impact

After transitioning to **Mobilith SHC 100** synthetic grease, the hammer crusher bearings no longer experienced overheating problems, which solved the bearing failure problems and reduced related unscheduled downtime.

Benefit

Dalian Cement Group Co., Ltd reports that **Mobilith SHC 100** reduced costs associated with unscheduled downtime, bearing replacement parts and associated labor costs.

Company-estimated
annual savings of
US \$153K

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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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