

Mobil SHC[™] Gear 320 synthetic gear oil helps cement producer reduce power consumption*



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Cement mineral conveyor - HANSEN gearbox | Guangdong GITIC Green Island Co. Ltd. | Guangdong, China

Situation

Guangdong GITIC Green Island Company operates a cement production line with annual capacity of 1 million tons. Lubricated with conventional mineral oil in a high-temperature operating environment, the conveyor gearbox experienced harsh conditions such as prevalent dust, which increased the risk of equipment breakdowns. In an effort to ensure equipment reliability, the company approached ExxonMobil to identify a lubricant solution capable of reducing operating temperatures and preventing unscheduled downtime.

Recommendation

ExxonMobil engineers recommended switching to **Mobil SHC[™] Gear 320** synthetic gear oil. Formulated with a high viscosity index, low traction coefficient and excellent high-temperature oxidation stability, **Mobil SHC Gear 320** provides outstanding component protection while helping extend oil life and improve energy efficiency potential. Additionally, ExxonMobil engineers recommended implementing routine **Mobil ServSM Lubricant Analysis** to monitor equipment and oil condition.

Impact

After transitioning to **Mobil SHC Gear 320** synthetic gear oil, Guangdong GITIC Green Island Company was able to reduce operating temperatures by 5°C (9°F), as well as reach record-low power consumption levels.

Benefit

The company reports that **Mobil SHC Gear 320** helped reduce operating temperatures and enhance energy efficiency on the production line, generating company-estimated annual savings of US \$4,945.

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temperatures by
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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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