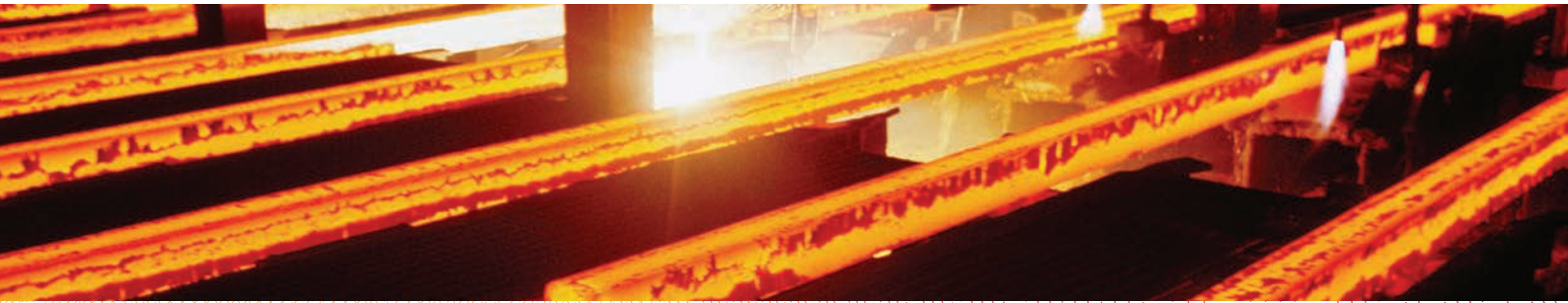


Mobil Glygoyle™ 220 gear oil helps reduce unscheduled downtime*



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Bar Mill 1 cooling bed reducer worm gearbox | Steel plant | Egypt

Situation

An Egyptian steel plant operates a Bar Mill 1 cooling bed equipped with reducer worm gearboxes. Lubricated with a conventional mineral oil, the gearboxes were experiencing severe pitting in some of the wheel gear teeth, causing breakdowns to occur after just 1.25 years of operation. In an effort to reduce unscheduled downtime, the plant reached out to ExxonMobil engineers to identify a lubricant solution that could help improve equipment reliability.

Recommendation

ExxonMobil engineers recommended the plant switch to **Mobil Glygoyle™ 220**, a high performance gear oil designed to provide excellent EP/anti-wear protection for equipment components and high level of micropitting protection for sensitive gear systems.

Impact

After transitioning to **Mobil Glygoyle 220**, the plant was able to reduce the operating temperature of its worm gearboxes by 25°C (77° F). This has helped extend worm gearbox life from 1.25 years to 10 years and reduce equipment downtime to deliver a company-estimated savings of US \$77,600.

Benefit

The company reports that **Mobil Glygoyle 220** gear oil has helped extend gearbox life, reduce unplanned downtime by 24 hours, and increase productivity by 2,000 tons annually.

Reduced operating temperatures by
25°C

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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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