

Mobilgear SHC™ 6800 synthetic gear oil helps kraft linerboard manufacturer enhance operational efficiency*



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Koppers kopflex couplings | Kraft linerboard manufacturer | Georgia, United States

Situation

A kraft linerboard manufacturer operates Koppers kopflex couplings at its Georgia plant. Due to insufficient lubricant coverage on the gear teeth of the couplings, which resulted in lock up and reduced sliding, the couplings were experiencing multiple failures per year. In order to improve operational efficiency of the couplings, the company approached ExxonMobil to identify a lubricant solution capable of reducing coupling failures.

Recommendation

ExxonMobil engineers recommended switching to **Mobilgear SHC™ 6800** synthetic gear oil, which is formulated to provide exceptional oxidation resistance and low-temperature fluidity for improved gear efficiency and extended operating life.

Impact

After transitioning to **Mobilgear SHC 6800**, the company reported a reduction in refiner motor bearing failures from an average of four times per year to less than one, thereby enhancing operational efficiency. **Mobilgear SHC 6800** synthetic gear oil has also helped improve coupling lubrication to enhance equipment protection and improve overall plant productivity to generate a company estimated annual savings of US \$27,800.

Benefit

The company reports that **Mobilgear SHC 6800** high performance synthetic gear oil has helped improve the couplings' gear teeth lubrication by eliminating metal-to-metal contact.

Estimated 15-year savings of more than

US \$417K

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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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