

Mobil SHC™ Gear 320 synthetic gear oil helps paper mill enhance productivity and equipment performance*



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Paper machine primary gearboxes | Papelera Industrial Potosina | San Luis Potosí, Mexico

Situation

Papelera Industrial Potosina, a leading Mexican paper producer, operates a paper machine containing multiple primary gearboxes. Lubricated with a conventional mineral oil, the paper machine was experiencing operating temperatures exceeding 85°C (185°F), which accelerated oil oxidation rate, leading to significant unscheduled downtime and oil drain intervals every six months. Looking to improve equipment productivity, the company approached ExxonMobil engineers to identify a lubricant solution capable of extending oil drain intervals and reducing unscheduled downtime.

Recommendation

ExxonMobil engineers recommended the company switch to **Mobil SHC™ Gear 320** synthetic gear oil. Formulated with a synthetic base oil having exceptional thermal stability and oxidation resistance properties, **Mobil SHC Gear 320** is specifically designed to provide outstanding performance in extreme conditions, such as those encountered in the mill's gear drives.

Impact

After switching to **Mobil SHC Gear 320** synthetic gear oil, the company has reported a reduction in the paper machine's operating temperature by 15°C (27°F), as well as significantly longer oil drain intervals and fewer incidents of unscheduled downtime.

Benefit

Papelera Industrial Potosina reports that the benefits of using **Mobil SHC Gear 320** synthetic gear oil include lower maintenance costs with longer oil drain intervals and improved plant productivity, generating a company-estimated savings of US \$37,032 over two years.

Gear operating temperatures reduced by
15°C (27°F)

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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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