

Mobilith SHC™ 007 synthetic grease helps tissue mill eliminate gear reducer oil leakage*



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Tiger and Boston gear reducers | Tissue mill | South Carolina, United States

Situation

A South Carolina tissue mill operates packaging conveyors driven by 30 Tiger and Boston gear reducers. The company experienced an average of six gear reducer failures per year as a result of persistent seal damage on the gear reducer shaft. This led to lubricant leakage which left the gear reducers insufficiently lubricated and posed a potential safety concern for personnel from the above-the-line conveyers. In an effort to improve equipment reliability, the company approached ExxonMobil to identify a lubricant solution capable of eliminating oil leakage.

Recommendation

ExxonMobil engineers recommended the company switch to **Mobilith SHC™ 007** synthetic grease. As an ISO 460 grade synthetic base oil with special additive combinations, **Mobilith SHC 007** grease provides excellent protection against wear, rust and corrosion. It is also engineered with a semi-fluid lithium complex thickener, which is especially useful for preventing leakage caused by damaged seals.

Impact

After transitioning to **Mobilith SHC 007** synthetic grease, the company did not record a single mechanical failure on the packaging conveyor gear reducers. Despite the potential seal damage from the working environment, as well as the associated safety concern, the **Mobilith SHC 007** synthetic grease helped mitigate leaking and exhibited excellent results.

Benefit

The company reports that **Mobilith SHC 007** synthetic grease reduced the plant's costs for replacement conveyor drive parts and labor.

Company-estimated
annual savings of
US \$2K

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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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