

Mobil SHC™ 636 synthetic circulating oil helps paper mill extend oil life by 300%*



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Pulp mill lime kiln trunnion bearings | Pulp and paper producer | Ontario, Canada

Situation

An Ontario-based pulp and paper producer operates a pulp mill lime kiln, which operates at temperatures as high as 1,652°F (900°C) and is supported by trunnion bearings. Lubricated with a conventional mineral-based circulating oil, the trunnion bearings experienced heavy varnish and deposit build-up which led to unscheduled downtime for cleaning, draining and refilling the bearings with lubricant. In an effort to extend oil drain intervals and reduce equipment downtime, the company approached ExxonMobil to identify a lubricant solution capable of delivering high performance under demanding operating conditions.

Recommendation

ExxonMobil engineers recommended the company switch to **Mobil SHC™ 636** synthetic circulating oil. **Mobil SHC 636** provides excellent resistance to oxidation and deposit formation at elevated temperatures, protection against rust and corrosion, as well as outstanding wear protection.

Impact

After transitioning to **Mobil SHC 636** synthetic circulating oil, the company was able to eliminate sludge formation in its trunnion bearings and cut oil change time from 16 to eight hours. Additionally, the company was able to reduce cooling-water consumption by 30%, and extend oil drain intervals by four times, significantly reducing oil demand and used oil disposal.

Benefit

The company reports that **Mobil SHC 636** synthetic circulating oil has helped extend oil drain intervals and reduce labor and equipment-related costs to generate a company-estimated annual savings of more than US \$100,000.

Extended oil drain
intervals by
300%

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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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