

Mobilith SHC™ 1500 synthetic grease helps pulp and paper company eliminate bearing failure and increase production*



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Pulp washing machine bearing | Hainan Jinhai Pulp & Paper Co., Ltd. | Yangpu City, Hainan Province, China

Situation

Hainan Jinhai Pulp & Paper Co., Ltd. installed a production line with a capacity of 10,000 tons per year. Using a conventional mineral grease to lubricate the 36 bearings on its nine sets of pulp washing machines, the company often experienced bearing failures due to poor grease performance, causing unscheduled downtime. To improve equipment reliability, the company approached ExxonMobil for a grease solution capable of reducing bearing failure and increasing production capacity.

Recommendation

ExxonMobil engineers recommended switching to **Mobilith SHC™ 1500** synthetic grease after examining the bearings' operating conditions and interpreting Elastohydrodynamic calculations. Formulated with wax-free synthetic fluids and a lithium complex thickener, **Mobilith SHC™ 1500** has excellent adhesion, structural stability and resistance to water, as well as excellent protection against wear, rust and corrosion.

Impact

After transitioning to **Mobilith SHC™ 1500** synthetic grease, the washing machine did not experience a lubrication-related bearing failure for more than four years.

Benefit

The company reports that **Mobilith SHC™ 1500** helped improve bearing lubrication, which helped eliminate bearing failure and improve production capacity.

Company-estimated
annual savings of
US \$347K

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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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