

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



Energy lives here™

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

Industrial
Lubricants



**Advancing
Productivity™**

Advancing productivity

Helping you reach your Safety, Environmental Care** and Productivity goals through our innovative lubricants and services is our highest priority. That's Advancing Productivity. And that's how we help you achieve your broader vision of success.

*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.

**Visit mobilindustrial.com to learn how certain Mobil-branded lubricants may provide benefits to help reduce environmental impact. Actual benefits will depend upon product selected, operating conditions and applications.

© 2017 Exxon Mobil Corporation. All rights reserved. ExxonMobil shall include Exxon Mobil Corporation and its affiliates. All trademarks used herein are trademarks or registered trademarks of Exxon Mobil Corporation or one of its subsidiaries unless otherwise noted. HIPOP 2009-308