

Mobilith SHC 220™ synthetic grease helps pulp and paper company reduce unscheduled downtime*



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Ventilator electric motor bearing | Jinhai Pulp & Paper Co., Ltd. | Yangpu City, Hainan Province, China

Situation

Hainan Jinhai Pulp & Paper Co., Ltd. installed a pulp line in 2005 with a production capacity of 1,000,000 tons per year. Lubricated with a conventional mineral grease, the pulp line ventilator's 472 bearings often experienced failure, causing unscheduled downtime associated with bearing replacement and repair. To improve equipment reliability, the company approached ExxonMobil for a lubricant solution capable of reducing bearing failure.

Recommendation

ExxonMobil engineers recommended switching to **Mobilith SHC™ 220** synthetic grease based on the bearing operating conditions and Elastohydrodynamic (EHL) calculations. Designed for a wide variety of applications at extreme temperatures, **Mobilith SHC 220** is formulated to provide excellent protection against wear, rust and corrosion, while maintaining operating viscosity at high and low temperatures.

Impact

After transitioning to **Mobilith SHC 220** synthetic grease, the company did not experience any bearing failures for two years, which helped reduce unscheduled downtime and increase production.

Benefit

The company reports that **Mobilith SHC 220** helped improve bearing lubrication, resulting in reduced labor costs and grease consumption, as well as less unscheduled downtime.

Company-estimated
annual savings of
US \$85K

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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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