

Mobilith SHC™ 220 synthetic grease helps reduce operating temperatures and enhance equipment efficiency*



Energy lives here™

Boiler fan and fiber boiler unit | Mitcharoen Palm Oil Co., Ltd. | Chumporn, Thailand

Situation

Mitcharoen Palm Oil Company lubricated the bearings of its boiler induced draft (ID) fan and fiber blower unit with a lithium complex NLGI 2 grease. Operating in extreme temperatures as high as 104°C (219°F), these bearings would melt the grease and cause leaks. In order to avoid catastrophic damage, personnel had to re-grease the bearings every other day. The company approached ExxonMobil to identify a more stable lubricant solution capable of reducing operating temperatures.

Recommendation

ExxonMobil recommended switching to **Mobilith SHC™ 220** synthetic bearing grease. Formulated with high performance base fluids and a proprietary lithium complex thickener, **Mobilith SHC 220** is specifically designed to reduce operating temperatures in severe service applications.

Impact

After transitioning to **Mobilith SHC 220** synthetic bearing grease, the company was able to reduce operating temperatures from 104°C (219°F) to 70°C (158°F) on the boiler ID fan and from 88°C (190°F) to 44°C (111°F) on the fiber blower unit. As a result, the company avoided unscheduled downtime and improved equipment productivity.

Benefit

Mitcharoen Palm Oil Co., Ltd. reports that **Mobilith SHC 220** synthetic bearing grease helped reduce operating temperatures and prevent equipment breakdown, which generated significant cost savings.

Company- estimated
annual savings of
US \$5,480

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 2012-319