

Mobil SHC™ Polyrex 462 synthetic grease helps minimize mandrel shutdowns and generate cost savings*



Energy lives here™

Waterbury PT-3 take-up mandrels | Engineered Materials Solutions | Massachusetts, United States

Situation

Engineered Materials Solutions (EMS) operates a PT-3 Waterbury Press that typically experienced two stuck coils every year in its press take-up mandrels. The mandrels were lubricated with a conventional lithium complex grease and operate at temperatures of above 121°C (250°F). These conditions caused grease hardening and lubricant starvation, leading to the collapse and failure of the mandrels. The machines had to be shut down so the coils could be removed from the mandrel. The company reached out to ExxonMobil engineers to find a grease capable of improving equipment reliability and minimizing shutdowns.

Recommendation

ExxonMobil engineers recommended switching to **Mobil SHC™ Polyrex 462** synthetic grease. Formulated with high performance synthetic polyurea thickener technology, synthetic oils and proprietary additives, **Mobil SHC Polyrex 462** is designed to provide excellent structural and oxidation stability during extended service in high temperature applications.

Impact

After transitioning to **Mobil SHC Polyrex 462** synthetic grease, EMS operated its PT-3 take-up mandrels without experiencing a stuck coil for two years, eliminating related shutdowns and repairs. This improvement resulted in lower maintenance costs, no unplanned shutdowns and significant cost savings.

Benefit

The company reports that switching to **Mobil SHC Polyrex 462** synthetic grease improved equipment reliability and enabled savings of US \$43,000 per year in reduced maintenance and repair costs.

Company-estimated
annual savings of
US \$43K

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. POP 2010-006