

Mobil Polyrex EM grease helps double electric motor bearing life*



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SKF electric motor ball bearings | Paper plant | Russia

Situation

A Russian paper plant operates a number of electric motors, which had been lubricated with a high performance grease. However, the electric motors were experiencing high operating temperatures, which prevented the grease from sustaining its structure for long enough to provide optimal bearing protection. As a result, bearings had to be replaced annually. In an effort to reduce bearing replacements and related maintenance costs, the company approached ExxonMobil to determine an alternative grease solution.

Recommendation

ExxonMobil engineers recommended the use of **Mobil Polyrex™ EM** grease, which is specially designed for electric motor bearings and engineered to perform under higher temperatures. Formulated with a polyurea thickener, **Mobil Polyrex EM** has superior oil release properties and improved durability, providing longer service life.

Benefit

The company reports **Mobil Polyrex EM** grease has helped it generate cost savings by doubling bearing life and reducing grease consumption by 2.5 times.

Impact

According to company reports, **Mobil Polyrex EM** grease has performed without problems for more than two years. During this time, no bearing failures have been reported, and significant cost savings have been generated as a result of:

- Reduction in grease consumption by 2.5 times
- Increased production due to unscheduled downtime
- Doubled bearing life

Grease consumption reduced by

2.5x

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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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