

DOES YOUR GREASE HAVE WHAT IT TAKES?

- High speed operation
- Low bearing noise capability
- Controlled oil release
- Electric motor bearings
- Fan bearings
- High-temperature pump bearings

PRESENTING MOBIL POLYREX™ EM

DOES YOUR MACHINERY RELY ON THESE KIND OF BEARINGS?

- For sealed ball bearings
- Bearing protection
- Enhanced bearing performance
- Reliable high-temperature performance
- Advanced polyuria thickener formulation

ADDITIONAL MOBIL POLYREX™ EM PROPERTIES:

MOBIL POLYREX™ EM REDUCES YOUR GREASE CONSUMPTION BY AN ESTIMATED 2.5 X

MOBIL POLYREX™ EM PEACE-OF-MIND AT HIGH SPEEDS.

askforthegrease.com

Mobil Polyrex™ EM

Mobil Grease

Performance by ExxonMobil

Mobil Polyrex™ EM

Premium greases for electric motor bearings running at high speeds

FEATURES

-  High speed operation
-  Low bearing noise capability
-  Controlled oil release

ADVANTAGES

-  Outstanding lubrication of ball and roller bearings
-  Increased durability under mechanical shear forces
-  Suitable for lubrication in noise-sensitive applications

Designed for electric motor bearings running at high speeds, Mobil Polyrex™ EM grease is specially formulated to improve bearing performance and protection for long electric motor life. It comes highly recommended by leading bearing and electric motor manufacturers.



DID YOU KNOW?

Mobil Polyrex™ EM potentially reduces bearing replacement by

43%

Polyurea (Shear stable)

| A/X | CaX | CaS | Li12 | LiX | PJ | B/C |
|-----|-----|-----|------|-----|----|-----|
|-----|-----|-----|------|-----|----|-----|

-  Incompatible; Avoid mixing
-  Moderately compatible; Test before mixing
-  Compatible

Glossary:

A/X - Aluminum Complex

CaX - Calcium Complex

CaS - Calcium Sulfonate

Li12 - Lithium 12-Hydroxy

LiX - Lithium Complex

B/C - Bentonite/Clay

PU - Polyurea

Generally ExxonMobil does not recommend changing thickener technology when replacing greases. It is always recommended to thoroughly remove and clean out any old grease prior to converting to another grease.

NLGI GRADE

2

BASE OIL VISCOSITY @ 40°C

113

APPEARANCE

Blue



Energy lives here™

Results that speak for themselves.

Mobil Polyrex™ EM grease and Mobil Engineering Services help Chinese electric motor OEM save more than US \$12,000 annually.



Situation

Hebei Electric Motor Co., Ltd. is a leading electric motor manufacturer in China with growing sales in Asia and Europe. To meet increasing customer demands, it needed to respond quickly to complaints about bearing noise and grease bleeding. The company approached ExxonMobil engineers for an alternative lubricant solution capable of mitigating these issues and improving overall equipment performance.

Benefit

Hebei Electric Motor Company reports that Mobil Polyrex™ EM grease has helped it significantly reduce grease consumption. It has also resulted in replacement of fewer bearings due to lubrication failures or excessive noise leading to cost savings.

Key highlights

- Significant reduction in grease consumption
- Lower bearing replacement
- Reduction of excessive noise during operation

SAVING OF OVER
US \$12,000

To know more visit mobil.com/industrial

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 mobil.com/industrial 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 ExxonMobil. All trademarks used herein are trademarks or registered trademarks of Exxon Mobil Corporation or one of its subsidiaries.

Mobil Polyrex™ EM

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FEATURES



High speed operation



Low bearing noise capability



Controlled oil release

ADVANTAGES



Outstanding lubrication of ball and roller bearings



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Suitable for lubrication in noise-sensitive applications

Designed for electric motor bearings running at high speeds, Mobil Polyrex™ EM grease is specially formulated to improve bearing performance and protection for long electric motor life. It comes highly recommended by leading bearing and electric motor manufacturers.



DID YOU KNOW?

Mobil Polyrex™ EM can potentially reduce your grease consumption by

2.5X

Polyurea (Shear stable)

A/X

CaX

CaS

Li12

LiX

B/C

PU



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Mobil Polyrex™ EM grease helps Turkish oil refinery save US \$252,000 per year.



Situation

A Turkish oil refinery's processing units are equipped with electric motors and heat exchanger fan bearings. Prior to 2003, the motors and fans were lubricated with a conventional EP grease and were experiencing high bearing temperatures that led to high grease consumption, bearing failures and lengthy unscheduled downtime. In an effort to reduce maintenance costs and improve bearing life, the company approached ExxonMobil engineers for an alternative grease solution.

Benefit

The company reports Mobil Polyrex™ EM grease has helped it reduce bearing failures and unscheduled maintenance to deliver company-estimated annual savings of US \$252,000. According to the customer, this does not include related credits for unscheduled refinery operating unit downtime.

Key highlights

- 43% reduction in motor and fan bearing replacements
- Estimated annual savings of US \$252,000
- Reduction in unscheduled downtime

ANNUAL SAVINGS OF
US \$252,000

To know more visit mobil.com/industrial

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