

Mobil Polyrex EM grease and Mobil Engineering Services helps Chinese electric motor OEM save more than US \$12K annually*



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Electric motor bearings | Hebei Electric Motor Co., Ltd | China

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, they 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.

Recommendation

Following an on-site investigation and analysis of the bearings, the ExxonMobil lube engineer recommended **Mobil Polyrex™ EM** grease. Formulated with advanced thickeners in a proprietary manufacturing process, **Mobil Polyrex EM** provides improved electric motor bearing performance and protection for long equipment life.

The company also modified the bearing structure to further reduce the occurrence of grease bleeding from the bearing.

Benefit

Hebei Electric Motor Company reports that **Mobil Polyrex EM** grease has helped it significantly reduce grease consumption, and replace fewer bearings due to lubrication failures or for excessive noise while operating.

Impact

After making the switch to **Mobil Polyrex EM** grease and reconstructing the bearings, the company reports that bearing noise and grease consumption have been significantly reduced. Together, these benefits have helped the company generate cost savings related to reduced repair and lubrication expenses.

Company-estimated annual savings of more than
US \$ 12K

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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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