Mobil Glygoyle™ 460 gear oil helps gear OEM prevent micro-pitting and reduce operating temperatures*

**Situation**
A South Korean gear builder produces drives used in passenger elevators. Lubricated with a conventional ISO VG 320 grade mineral oil, many customers reported complaints of micro-pitting and noisy elevator operations. In an effort to combat the increasing costs of changing damaged gear sets, the company approached ExxonMobil to identify a lubricant solution capable of reducing micro-pitting and operating noise.

**Recommendation**
ExxonMobil engineers recommended the company switch to Mobil Glygoyle™ 460 high performance gear oil. Formulated to provide a high level of micro-pitting protection for sensitive gear sets, Mobil Glygoyle 460 provides superior benefits in terms of efficiency, long oil life and equipment protection. In addition, ExxonMobil engineers recommended the company implement routine Mobil Serv™ Lubricant Analysis to monitor equipment and oil condition.

**Impact**
After transitioning to Mobil Glygoyle 460 high performance gear oil, the company significantly reduced micro-pitting and scratches even after 70,000 rotations (768 hours), as well as lower gearbox operating temperatures. As a result of these benefits, the company began applying Mobil Glygoyle 460 for all of its products.

**Benefit**
The company reports that Mobil Glygoyle 460 high performance gear oil helped combat micro-pitting and reduce operating temperatures in its gear drives.

**Generated company-estimated annual savings of**
US $75K

*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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