

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



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Elevator gear set | Gear and gear module manufacturer | Incheon, South Korea

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.

Benefit

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

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 ServSM Lubricant Analysis** to monitor equipment and oil condition.

Generated company-estimated annual savings of

US \$75K

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.

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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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