

# GEAR OLOGY

JULY 9, 2009

## SPECIAL POINTS OF INTEREST:

- All orders for Grove Gear IRONMAN products will be shipped with the new design features starting August 4, 2009
- All-inclusive gearing catalog available in August, 2009
- Online tools available after July 17, 2009

## PAG LUBE ADDS EFFICIENCY AND FLEXIBILITY

With an emphasis on efficiency and flexibility in a variety of applications, Grove Gear now offers Mobil Glygoyle 460 polyalkalene glycol (PAG) lubricant as standard in its extensive line of worm gear reducers. After exacting research and careful consideration, Grove Gear selected the Mobile PAG because the lube is designed to provide outstanding benefits in terms of efficiency, long oil life and equipment protection.

The fully synthetic PAG lubricants are supreme performance gear, bearing and compressor oils developed for use under operating conditions beyond the capabilities of other synthetic lubricants and mineral oils. In worm gears, the unique properties of PAG lubricant allows for more torque to be put through the reducer. Low coefficients of friction and traction improve gear efficiency.

Providing outstanding gear protection under severe loads, the PAG lubricants have superb thermal and oxidative stability. This feature extends the life of the oil, which increases production and lowers

maintenance costs by reducing downtime for routine lubricant changes.

For food-grade applications, Mobil Glygoyle 460 is approved for USDA/NSF H1 use. To meet H1 certification, lubricants must be suitable for incidental, technically unavoidable contact with food product. The product must also meet industrial and commercial sanitation and safety requirements. The Mobile PAG has a lower operating temperature range in freezer applications and a higher operating temperature range for hot applications.

With Grove Gear's broad product line used in a wide range of applications, it is imperative that the PAG serve multipurpose industrial equipment to require fewer products and reduce inventory costs. The Mobil product meets industry standards for a variety of worm gear applications, including conveyors, escalators, material handling, press drives, packaging machinery, agitators, ski lifts and mixers.

In addition, the Mobil Glygoyle 460 polyalkalene glycol (PAG) lubricant offers the



following benefits:

- Wide operating temperature range
- Exceptional EP / antiwear protection for critical equipment components
- Protection against rust and corrosion

A proper flush procedure should be used when changing from a mineral, PAO or oil-soluble PAG lubricants. Although the PAG lube does not react with other mineral or PAO oils, they are not miscible (do not form a soluble mixture) and can not be combined. The gear reducers includes a label noting the product be refilled with the same product.. Grove Gear offers Mobil Glygoyle 460 polyalkalene glycol (PAG) lubricant in one-quart containers.

**GROVE GEAR**



**ELECTRA-GEAR**