

# ECOGEAR WMX 320

Product code: 266300101

## Saturated ester based biodegradable lubricant for gearboxes in windmills

This product is a premium synthetic biodegradable gear oil designed to provide exceptional anti-wear/extreme pressure (AW/EP) protection and corrosion control under the most adverse conditions. The product is specially formulated for lubricating wind turbine gearboxes for effective operation and long service life. It has a high viscosity index that minimizes changes in viscosity at elevated temperatures, while ensuring good low temperature fluidity of the lubricant for cold temperature operation. It also offers good micropitting resistance and high scuffing load.

Due to its saturated ester base biodegradable composition, it is environmental friendly and good for use in sensitive areas such as at open sea.

## Benefits & Advantages

- Protects against micropitting and scuffing of gear teeth and provides extended bearing life under extreme conditions
- Withstands oxidative and thermal breakdown at elevated temperatures to increase time between drain intervals, saving time and labor
- High quality synthetic base stocks with high VI ensure good lubricant film thickness over a broad temperature range
- Low temperature fluidity ensures smooth cold temperature starts
- Resists rust and corrosion
- Excellent air release properties
- Excellent compatibility with seals and coatings

## Typical Performance Data



| Typical                            | Test Method | Value |
|------------------------------------|-------------|-------|
| Density @ 15 °C kg/m <sup>3</sup>  |             | 1.01  |
| Viscosity @ 40 °C, cSt             |             | 320   |
| Viscosity @ 100 °C, cSt            |             | 37-38 |
| Viscosity index                    |             | 145   |
| Pour point, °C                     |             | -33   |
| Flash point, °C                    |             | 270   |
| Rust procedure ISO 7120            |             | pass  |
| Rust procedure salt water ISO 7120 |             | pass  |
| FZG micropitting FVA 54/7 at 90°C  |             | >10   |
| FZG scuffing test DIN ISO 14635-1  |             | >12   |

All performance data on this Technical Data Sheet are indicative only and can vary during production.