

GEAR-PLUS BIO EST MAX 320

BIODEGRADABLE GEAR OILS

326300101



SATURATED ESTER BASED BIODEGRADABLE LUBRICANT FOR GEARBOXES IN WINDMILLS

This premium synthetic biodegradable gear oil is designed to provide excellent anti-wear and extreme pressure (AW/EP) protection, as well as corrosion control, even under the most challenging conditions. Specifically formulated for wind turbine gearbox lubrication, this product ensures optimal performance and extended service life. It maintains a high viscosity index that minimizes changes in viscosity at high temperatures while providing good low-temperature fluidity for cold-weather operation. Additionally, it exhibits exceptional resistance to micropitting and high scuffing loads. Being composed of a saturated ester base, this gear oil is biodegradable and environmentally friendly, making it a good choice for sensitive areas, such as those in open sea environments.

CATEGORY

- Gear Oils

BENEFITS

- 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

PROPERTY	METHOD	VALUE
Density @ 15 °C, kg/dm ³		1.01
Viscosity @ 40 °C, mm ² /s		320
Viscosity @ 100 °C, mm ² /s		37-38
Viscosity index		145
Pour point, °C		-33
Flash point, °C		270
Rust Test	ISO 7120	pass
Rust Test B (sea water)	ISO 7120	pass
FZG micropitting FVA 54/7 at 90°C	FVA 54/7	>10
FZG scuffing test DIN ISO 14635-1	ISO 14635-1	>12

All data on this technical data sheet is indicative only

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DYADE LUBRICANTS B.V.
TYPOGRAAF 16 | 6921 VB DUIVEN
THE NETHERLANDS

0031 (0) 316 745 745
INFO@DYADEGLOBAL.COM
WWW.DYADEGLOBAL.COM

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