Meropa® EliteSyn WL

Product description

Meropa EliteSyn WL oils are premium high performance synthetic gear oils for use in Wind Turbines and other industrial gear boxes and designed to offer high efficiency, reduced operating temperatures, long lubricant life and very good micro-pitting wear protection. They are designed to protect against extreme load and shock load conditions.

Meropa EliteSyn WL contains additives designed to offer protection to paint coatings and provide compatibility with multiple types of seals to help minimise the possibility of leaking seals and paint blistering on the inside of the gearbox.

Customer benefits

Meropa EliteSyn WL lubricants deliver value through:

- **Energy efficiency** — advanced additive technology, resulting in less power consumption provides the opportunity for energy, equipment and productivity efficiencies.
- **Reduced operating temperatures** — synthetic base oils provide a lower coefficient of friction and can lower gearbox operating temperatures versus a mineral oil product.
- **Long lubricant life** — very high oxidation resistance promotes long drain intervals.
- **Wide temperature range** — extremely low cold weather and high temperature protection that allows equipment operating temperature ranges from -40°C to 140°C, a far wider range than conventional gear oils.
- **Provides micro-pitting resistance** — Delivers high level of micro-pitting and wear protection with reduced maintenance and increased system uptime.

Applications

Meropa EliteSyn WL is formulated to deliver high efficiency improvements in modern gearboxes that are smaller, lighter and more energy efficient.

Meropa EliteSyn WL gear oils are recommended for:

- Industrial enclosed gearing where an AGMA EP lubricant is specified
- Bath, splash, circulating, or spray mist lubrication as applicable to the proper viscosity grade
- Wind Turbine gearboxes requiring an extreme pressure lubricant

Approvals, performance and recommendations

Approvals

- Siemens MD Rev. 15(applied)
- Fives (Cincinnati Machines)

Performance

- DIN 51517-3
- ANSI/AGMA 9005-F16-AS
- AIST (formerly US Steel) 224
- ISO 12925-1 CKC/CKD
- David Brown S1.53.101(SE)

Typical test data

Test	Test Methods	Results
Viscosity Grade		**320**
Shelf Life: 60 months from date of filling indicated on the product label		
AGMA grade		6EP
Kinematic Viscosity at 40°C, mm²/s	ISO 3104	323
Kinematic Viscosity at 100°C, mm²/s	ISO 3104	34.6
VI	ISO 2909	152
Density at 15°C, kg/l	ASTM D1298	0.8614
Flash Point, COC, °C	ISO 2592	245
Pour Point, °C	ISO 3016	-45
Rust Test A and B	ASTM D665 A & B	Pass
Copper corrosion 3h/100°C	ASTM D130	1A
Demulsibility at 82°C, min	ASTM D1401	15
Four ball EP, weld load, kg	ASTM D2783	250
Four ball EP, LWI	ASTM D2783	54
FZG, Failure Load stage, A/8.3/90	DIN 51354	>14
FAG FE8 , Roller Weight Loss, mg	DIN 51819/3	4
FZG micro-pitting test, failure load stage	FVA I-IV	10/high

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.