

Meropa® EliteSyn WL

Premium performance wind turbine gear oils



Product description

Meropa® EliteSyn WL are premium performance synthetic gear oils designed for use in wind turbine and other industrial gearboxes. They are formulated for long life protection against micropitting and wear under high load and shock load conditions.

Customer benefits and product features

Customer benefits

- Designed with advanced additive technology to help reduce power consumption and to help improve equipment and productivity efficiencies
- Synthetic base oil technology provides a low coefficient of friction and promotes low gearbox operating temperatures
- Formulated for high oxidation resistance, offering long lubricant service life and oil drain intervals
- Developed for dependable equipment protection and performance across a wide ambient temperature range
- Wide equipment operating temperature window ranging from -30°C to +140°C
- Offers robust wear and micro-pitting protection, which helps reduce maintenance costs and helps increased system uptime

Product features

- Designed to reduce power consumption
- Promotes low gearbox temperatures
- Formulated for long service life
- Wide ambient temperature operation
- Working temperatures -30°C to +140°C
- Offers robust wear protection

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Applications

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

Chevron recommends Meropa® EliteSyn® WL gear oils 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

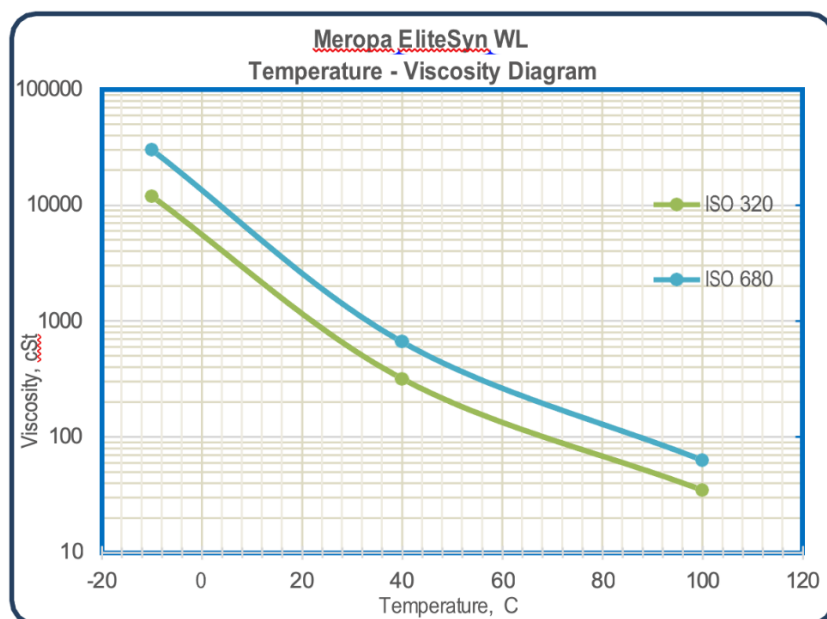
Product approvals, performance and recommendations

Approvals

- Flender Gear Units MD Rev.15
- 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) |



Note: ISO 680 is not available in Europe

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Typical test data

MEROPA® ELITESYN® WL KEY PROPERTIES	TEST METHODS	RESULTS
Viscosity Grade		320
Shelf Life: 60 months from date of filling indicated on the product label.		
AGMA grade		6EP
Viscosity, Kinematic at 40 °C, mm²/s	ISO 3104	323
Viscosity, Kinematic at 100 °C, mm²/s	ISO 3104	34.6
Viscosity Index	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

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ENVIRONMENT, HEALTH and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the [Product Information Center](#).

This Product Data Sheet (PDS) was produced for the Asia Pacific region based on the best available information at the time of issue. The specific information included may not directly reflect the market or conditions, and may vary. For the most up-to-date, country-specific information, please contact your local customer service center.