



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.

Meropa EliteSyn WL oils are developed to deliver energy efficiency and lower temperature operation in modern, smaller, lighter gearboxes. They offer reliable protection to external and internal paint coatings and are compatible with multiple seal types.

Customer benefits

- Designed with advanced additive technology to help reduce power consumption and improve equipment and productivity efficiencies
- Synthetic base oil technology provides a lower coefficient of friction and promotes lower gearbox operating temperatures
- Formulated for very 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, with reduced maintenance costs and increased system uptime

Product highlights

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

Selected specification standards include:

AIST (formerly US Steel)	ANSI/AGMA
David Brown	DIN
Fives (Cincinnati Machines)	Flender
ISO	

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

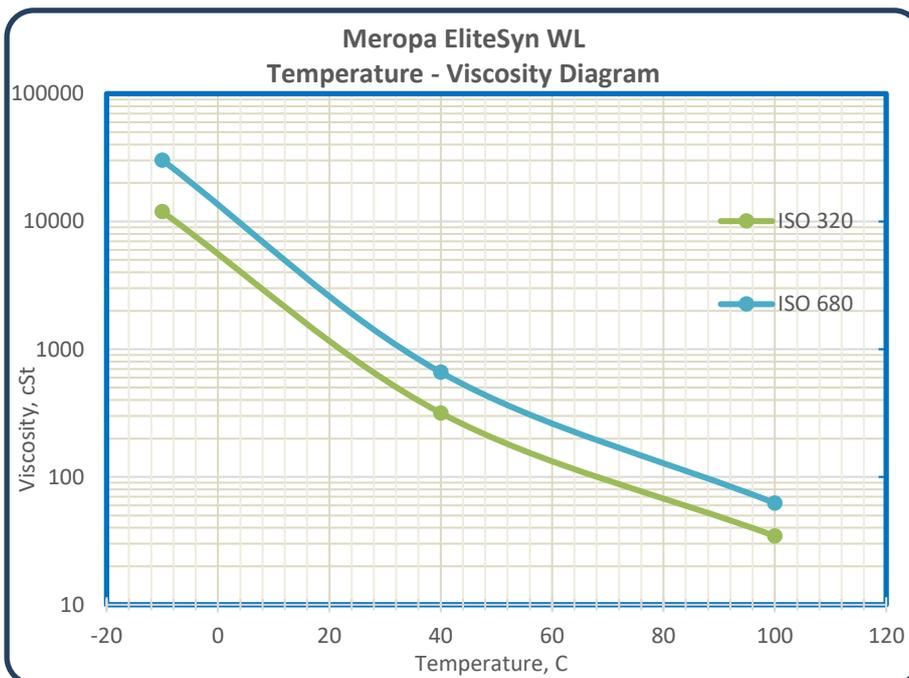
Approvals, performance and recommendations

Approvals

- 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

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
Viscosity, Kinematic at 40 °C, mm ² /s	ISO 3104	323
Viscosity, Kinematic at 100 °C, mm ² /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

The typical test data set out above does not constitute a specification. It is indicative only and can be affected by allowable production tolerances. Chevron may modify this test data. Modified data will supersede all previous data, so please ensure you refer to the latest version of this Product Data Sheet (PDS).

Disclaimer: Data provided in this Product Data Sheet (PDS) is based on standard tests under laboratory conditions and is indicative only. This product should not be used for any purpose other than those expressly set out in this PDS. The user has sole responsibility for verifying that this product is suitable for the user's intended application. Neither Chevron nor its subsidiaries (i) make any warranty or representation as to the accuracy or completeness of this PDS; and/or (ii) accept liability for any loss or damage suffered as a result of the use of this product other than in accordance with the terms of this PDS.

When disposing of used product, take care to protect the environment and follow local legislation.

Safety Data Sheets (SDS's) are available for all Chevron products. If you require a SDS or any further information regarding a Chevron product, please contact your local sales office or see <http://europe.chevronlubricants.com>.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A Chevron company product