



MEROPA ELITESYN™ WL 680

PRODUCT DESCRIPTION

Meropa EliteSyn™ WL 680 is a premium high-performance synthetic gear oil designed for use in GE electric wheel motors and other industrial gear boxes. It offers high efficiency, reduced operating temperatures, long lubricant life, and excellent micropitting wear protection. It is also designed to protect against extreme load and shock load protection.

CUSTOMER BENEFITS

Meropa EliteSyn WL 680 delivers 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 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 micropitting resistance** - Delivers high level of micropitting and wear protection with reduced maintenance and increased system uptime.

FEATURES

Meropa EliteSyn WL 680 gear oil is formulated to be our ultimate offering that meets or exceeds many industry performance standards. It delivers high efficiency improvements in modern gearboxes that are smaller, lighter and more energy efficient.



The Meropa EliteSyn WL 680 additive system is compatible with paint coatings and multiple types of seals to minimize the possibility of leaking seals and paint blistering on the inside of the gearbox. Competitor products with overaggressive chemistries can attack the paint coatings and cause filter plugging and lubricant loss.

APPLICATIONS

Meropa EliteSyn WL 680 is 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
- Mining haul truck electric wheel motors

Meropa EliteSyn WL gear oil meets the performance requirements of:

- ANSI/AGMA 9005-F16-AS
- AIST (formerly US Steel) 224
- DIN 51517/3 CLP
- ISO 12925-1 CKC
- ISO 12925-1 CKD
- Siemens MD Rev. 15 (applied)
- Fives (Cincinnati Machine)
- GE D50E35
- David Brown S1.53.101 (5E)

Product(s) manufactured in the USA.

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

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TYPICAL TEST DATA

ISO Grade	Test Method	680
Product Number		278018
SDS Number U.S. Canada Mexico		48630 48631 48632
AGMA Grade		8 EP
Density at 15°C, Kg/L	ASTM D4052	0.8647
Viscosity, Kinematic cSt at 40°C cSt at 100°C	ASTM D445	680 64.6
Viscosity Index	ASTM D2270	166
Flash Point, °C(°F)	ASTM D92	237 (459)
Pour Point, °C(°F)	ASTM D97	-40 (-40)
Rust Test	ASTM D665A ASTM D665B	Pass Pass
Copper Corrosion 3h at 100°C	ASTM D130	1b
Water separation, minutes to 3 mL emulsion @82°C	ASTM D1401	30
Four-Ball EP, LWI	ASTM D2783	54
Four-Ball Weld, Weld Point, kg Load Wear Index	ASTM D2783	250
FZG Scuffing, Fail Load Stage	A/8.3/90	> 14
FAG FE-8 Roller Bearing Test, Roller Weight Loss (mg)	DIN 51819-3	4
FZG Micropitting, fail load stage	FVA 54	10/High

Minor variations in product typical test data are to be expected in normal manufacturing.

Consult with your Chevron Lubricant Representative for your business application.

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