Meropa® EliteSyn WL

150, 220, 320, 460, 680

Product Data Sheet

Product highlights

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

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 micropitting resistance – Delivers high level of micropitting and wear protection with reduced maintenance and increased system uptime.

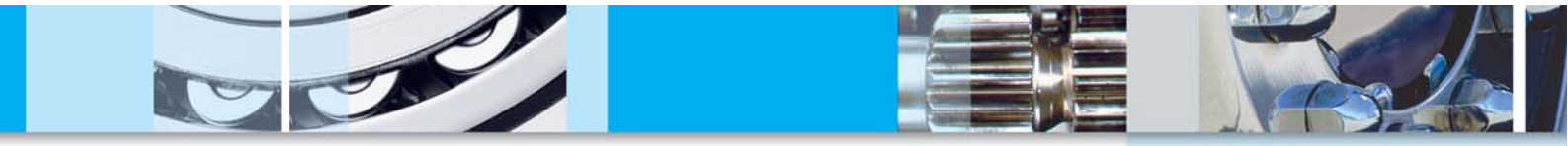
Applications

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

Product features:

- **Meropa EliteSyn WL** gear oils are formulated to be our ultimate offering that meets or exceeds many industry performance standards. **Meropa EliteSyn WL** is formulated to deliver high efficiency improvements in modern gearboxes that are smaller, lighter and more energy efficient.
- **Meropa EliteSyn WL** contains additives to protect paint coatings and provide compatibility with multiple types of seals to minimize the possibility of leaking seals and paint blistering on the inside of the gearbox. Competitive products with overaggressive chemistries can attack the paint coatings and cause filter plugging and lubricant loss.



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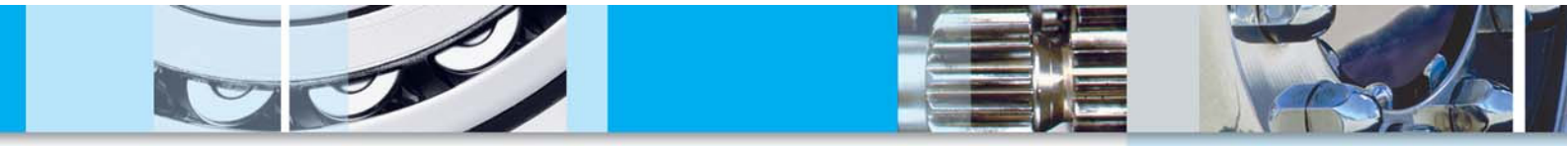
Performance standards

Approvals

- Flender T 7300 Rev 16 Table A-c Standard PAO oils for FLENDER helical, bevel-helical, planetary gear boxes and 'Marine gear units without multi-disk clutches.
- FLENDER-Gear-Units Revision 16 for Flender Helical, bevel- and planetary gear units.

Meropa EliteSyn WL gear oil meet the requirements of:

- DIN 51517-3
- ANSI/AGMA 9005-F16 Antiscuff
- AIST (formerly US Steel) 224
- Fives (Cincinnati Machine)



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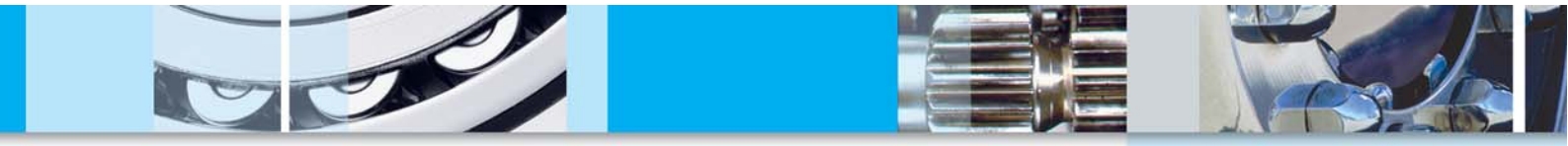
Typical test data

MEROPA® ELITESYN WL	RESULTS		
Typical Shelf Life: 48 months from date of filling indicated on the product label*			
ISO Grade	**150**	**220**	**320**
Product Number	**533297**	**533298**	**533296**
AGMA Grade	4 EP	5 EP	6 EP
Density at 15C, Kg/L	0.8562	0.8595	0.8614
Kinematic viscosity,			
cSt @ 40°C	145.7	223.7	323
cSt @ 100°C	19.3	26.9	34.6
Viscosity Index	151	155	152
Flash Point, °C(°F)	226	234	245 (473)
Pour Point, °C(°F)	-45	-45	- 45 (-49)
Rust Test, ASTM D665A and B	Pass	Pass	Pass
Copper Corrosion, 3h @ 100C, ASTM D130	1	1	1
Demulsibility at 82°C, ASTM D1401, minutes	11	8.5	15
Four-Ball EP, LWI, ASTM D2783	64.4	56.16	54
Four-Ball EP Weld, ASTM D2783, kg	250	250	250
FZG, Fail Load Stage, A/8.3/90	>12	>14	>14
FAG FE-8 Roller Bearing Test, DIN 51819-3, Roller Weight Loss (mg)	0.04	4	4
FZG Micropitting, Failure Stage, FVA 54	10/High	10/High	10/High



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Typical test data

MEROPA® ELITESYN WL	RESULTS	
Typical Shelf Life: 48 months from date of filling indicated on the product label*		
ISO Grade	**460**	**680**
Product Number	**533299**	**533295**
AGMA Grade	7 EP	8 EP
Density at 15C, Kg/L	0.8631	0.8647
Kinematic viscosity,		
cSt @ 40°C	441.8	680
cSt @ 100°C	46.8	64.6
Viscosity Index	164	166
Flash Point, °C(°F)	268	237 (459)
Pour Point, °C(°F)	-42	-40 (-40)
Rust Test, ASTM D665A and B	Pass	Pass
Copper Corrosion, 3h @ 100C, ASTM D130	1	1
Demulsibility at 82°C, ASTM D1401, minutes	10	30
Four-Ball EP, LWI, ASTM D2783	54	54
Four-Ball EP Weld, ASTM D2783, kg	250	250
FZG, Fail Load Stage, A/8.3/90	>14	>14
FAG FE-8 Roller Bearing Test, DIN 51819-3, Roller Weight Loss (mg)	4	4
FZG Micropitting, Failure Stage, FVA 54	10/High	10/High

* Typical Shelf Life: (a) if stored under normal conditions and (b) can be extended aft er re-testing.

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended.

Produced by Chevron Global Lubricants: Africa, Middle East and Pakistan

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 www.caltexoils.com.

For more information, go to www.chevronlubricants.com

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