



Meropa® EliteSyn XM

High Performance Synthetic Gear Oil

Product Data Sheet

Customer benefits

- **Maximum 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 -30°C to 140°C, a far wider range than conventional gear oils.
- **Provides micropitting resistance**
Delivers maximum micropitting and wear protection with reduced maintenance and increased system uptime.

Applications

Meropa® EliteSyn XM 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
- marine gearboxes requiring an extreme pressure lubricant

Performance standards

- Approved against Siemens Rev. 16 (Approval No.ACHA-20180824) (T7300 Table A-g semisynthetic standard oils for FLENDER helical, bevel-helical, planetary gear boxes and 'Marine gear units without multi-disk clutches')

Product features:

Meropa® EliteSyn XM gear oils are formulated to be our ultimate offering that meets or exceeds many industry performance standards.

Meropa® EliteSyn XM is formulated to recognize the equipment manufacturers desire for efficiency improvements in designing gearboxes that are smaller, lighter and more energy efficient.

Meropa® EliteSyn XM 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 over-aggressive chemistries will attack the paint coatings and cause filter plugging.

Meropa® EliteSyn XM is approved by Siemens Flender.

A Chevron company product

Meropa® EliteSyn XM gear oils meet the requirements of:

- DIN 51517-3
- ANSI/AGMA 9005-F16-AS
- David Brown S1.53.101 (5E)
- Hitachi AC Final Drive Gear
- GE OHV motorized wheel gearbox oil specifications D50E35 A-E categories
- ISO 12925-1 CKD, 12925-1 CKC
- US Steel 224

Typical Key Properties

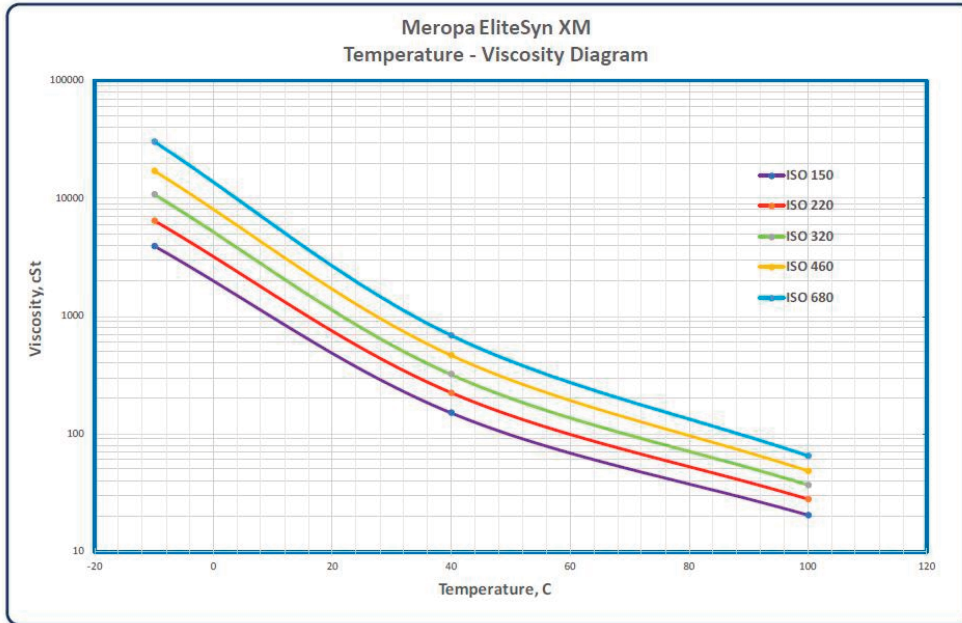
MEROPA ELITESYN XM						
TEST	TEST METHODS	RESULTS				
ISO Grade		150	220	320	460	680
Density @ 15°C, kg/l	ASTM D4052	0.8754	0.8836	0.8912	0.8975	0.9041
AGMA Grade		4 EP	5 EP	6 EP	7 EP	8EP
Flash Point, °C	ASTM D92	239	239	239	239	239
Pour Point, °C	ASTM D97	-39	-39	-39	-36	-33
Viscosity, Kinematic	ASTM D445					
cSt @ 40°C		151	223	320	464	688
cSt @ 100°C		20.6	27.7	37.0	48.8	65.5
Viscosity Index	ASTM D2270	159	161	165	165	167
FZG, Fail Load Stage		>14	>14	>14	>14	>14
Four-Ball						
EP Weld, kg	ASTM D2783	315	315	315	315	315
Rust test, ASTM D665A and B	ASTM D665	Pass	Pass	Pass	Pass	Pass
Timken OK Load, lb	ASTM D2782	>100	>100	>100	>100	>100
FAG FE-8 Roller Bearing Test, Roller Weight Loss (mg)	DIN 51819-3	1	1	1	1	1
FZG Micropitting, Failure Stage	FVA 54	10/High	10/High	10/High	10/High	10/High



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continued



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 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