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:

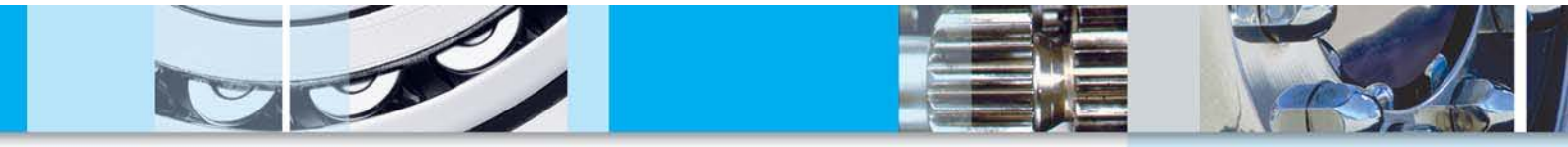
- Industrial enclosed gearing where an AGMA EP lubricant is specified
- Bath, splash, circulating, or spray mist lubrication as applicable to the proper viscosity grade
- marine gearboxes requiring an extreme pressure lubricant

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 overaggressive chemistries will attack the paint coatings and cause filter plugging.

Meropa® EliteSyn XM is approved by Siemens Flender.

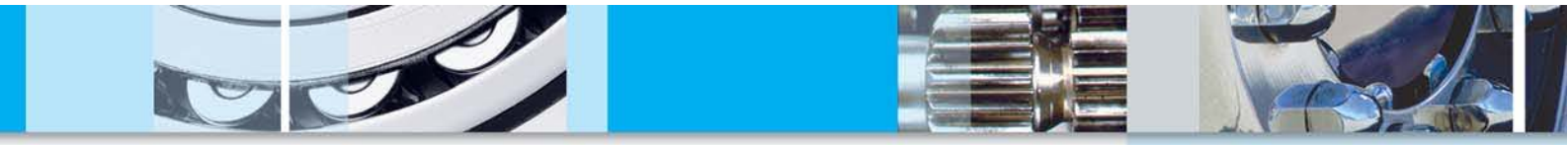


Typical key properties

MEROPA® ELITESYN XM						
ISO Grade Product Code	Method ASTM	150 533284	220 533285	320 533286	460 533287	680 533288
Density @ 15ºC, kg/l	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	D92	239	239	239	239	239
Pour Point, °C	D97	-39	-39	-39	-36	-33
Viscosity, Kinematic	D445					
cSt @ 40°C		151	223	320	464	688
cSt @ 100°C		20.6	27.7	37.0	48.8	65.5
Viscosity Index	D2270	159	161	165	165	167
FZG, Fail Load Stage		>14	>14	>14	>14	>14
Four-Ball EP Weld, kg	D2783	315	315	315	315	315
Rust test, ASTM D665A and B	D665	Pass	Pass	Pass	Pass	Pass
Timken OK Load, lb	D2782	>100	>100	>100	>100	>100
FAG FE-8 Roller Bearing Test, Roller Weight Loss (mg)	DIN 51819	1	1	1	1	1
FZG Micropitting, Failure Stage	FVA 54	10/ High	10/ High	10/ High	10/ High	10/ High

1904

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



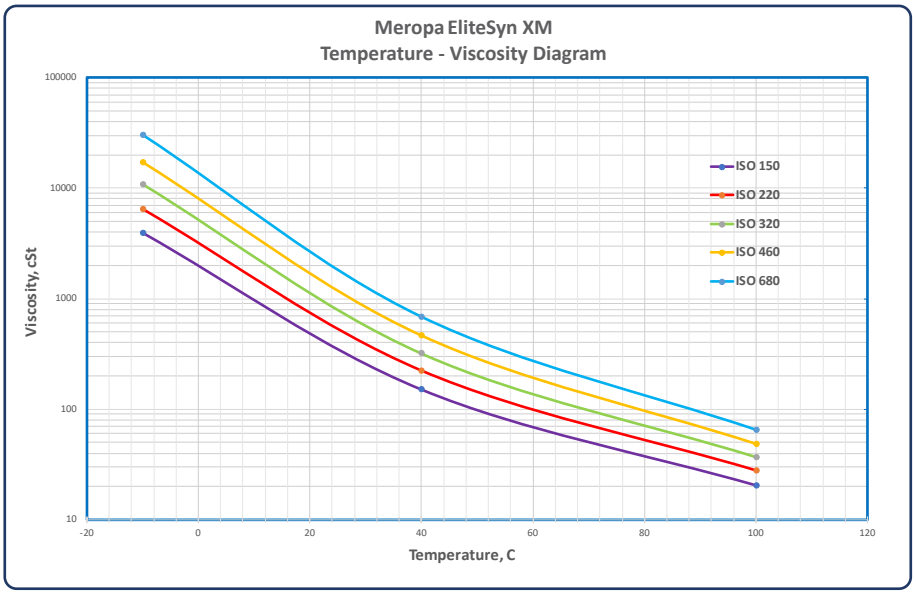
Performance standards

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')

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



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.chevronlubricants.com.

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
- Asia Pacific

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