



Meropa® XL

High Performance Industrial Gear Oil

Product Data Sheet

Benefits

Meropa® XL gear oils deliver value through:

- **Premium performance** – Advanced micropitting resistant formulation provides excellent wear protection, rust and corrosion protection, demulsibility, and foam inhibition. Leading to optimum lubricant performance and equipment protection; maintaining designed equipment productivity.
- **Excellent thermal stability** – Blend of premium Group II and Synthetic base oils engineered with advanced additive technologies help maintain clean gear and bearing surfaces, minimizing deposits which interfere with effective lubrication and reduce gear set efficiencies. High oxidation stability limits in-service viscosity increases, which can lead to energy losses.
- **Expanded operating temperature** – High viscosity index provides optimal viscosity over a wider operating temperature range offering enhanced protection under variable conditions and low temperature fluidity for low temperature operations.

Applications

Meropa® XL oils are recommended for:

- Industrial enclosed gearing where an AGMA EP lubricant is specified
- Industrial enclosed gearing where DIN 51517 (CLP) lubricant is specified
- Bath, splash, circulating, or spray mist lubrication as applicable to the proper viscosity grade
- Marine gearboxes and non-gearred systems requiring an extreme pressure lubricant

Product description:

Meropa® XL gear oils are high performance synthetic blend extreme pressure gear oils with excellent load carrying capacity, micropitting wear protection, water demulsibility, oxidation stability, and corrosion protection. Meropa® XL gear oils are designed for many types of industrial and marine, geared and non-gearred lubrication services where extreme loads and shock loadings are high.

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Performance standards

- ANSI/AGMA EP 9005-E02
- Fives Cincinnati (Cincinnati Machine)
- DIN 51517 Part 3 (CLP)
- ISO 12925-1
- US Steel 224
- Siemens Rev. 15 (Approval No. A-CH: A-20160404)
(Table A-a Standard Mineral Oils for FLENDER helical, bevel-helical, planetary gear boxes and 'Marine gear units without multi-disk clutches' as well as geared motors)

Meropa® XL has a typical sulfur-phosphorus odor characteristic of industrial gear oils. A ventilated environment is recommended during use.



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Typical test data

MEROPA XL				
TEST	TEST METHODS	RESULTS		
Viscosity Grade Cincinnati Machine (MAG) Spec. Siemens MD FLENDER Code No. AGMA Grade		220 P-74 A15 5 EP	320 P-59 A14 6 EP	460 P-35 A13 7 EP
Density, 15°C, kg/L,	D1298	0.867	0.878	0.880
Viscosity, Kinematic				
cSt at 40°C	D445	220	320	460
cSt at 100°C	D445	22.3	29.7	37.3
Viscosity Index	D2270	120	124	127
Flash Point, °C	D92	248	248	247
Pour Point, °C	D97	-37	-37	-36
FZG Fail Stage,	D5182	>12	>12	>12
Micropitting Test, FVA 54 I-IV		10/GFT-High		
Rust Protection,	D665A/B	Pass	Pass	Pass
Demulsibility,	D1401	Pass	Pass	Pass
Foam Test, , Seq I-III	D892	<50/0	<50/0	<50/0
T, °C (viscosity is 25 cSt)		95.9	106.3	114.7
T, °C (viscosity is 2,000 cSt)		7.9	13.2	17.5
T, °C (viscosity is 5,000 cSt)		-2.2	2.6	6.5

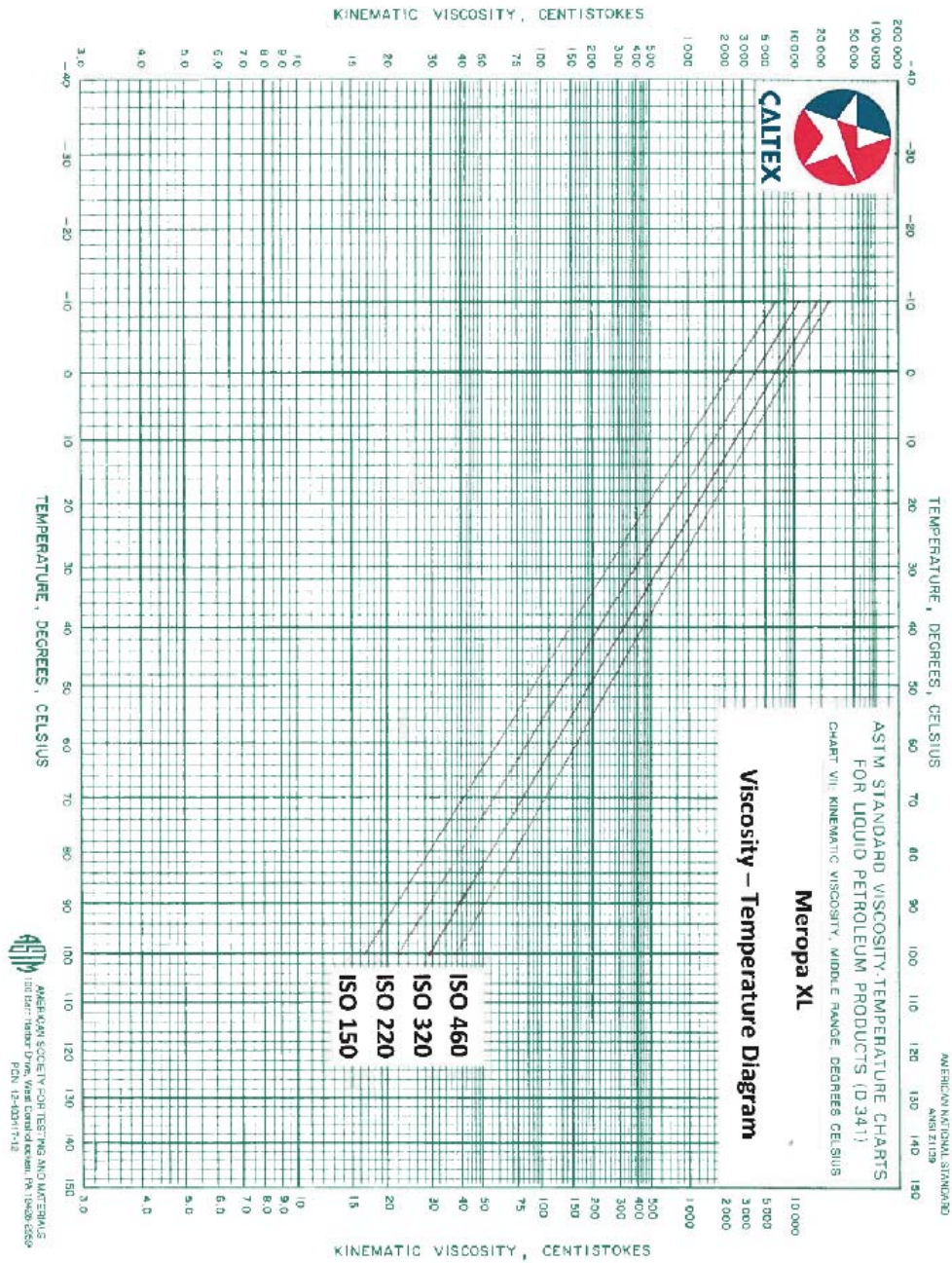
The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

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Health, safety, storage and environmental Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). MSDS's are available upon request through your local sales office, or via the Internet. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment and follow local legislation.

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