



Meropa® XL

High Performance Industrial Gear Oil

Product Data Sheet

Customer benefits

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 geared systems requiring an extreme pressure lubricant

Product features:

- **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-geared lubrication services where extreme loads and shock loadings are high.

Typical key properties

MEROPA® XL						
ISO Grade	TEST METHOD	150	220	320	460	
Cincinnati Machine (MAG) Specification		P-77	P-74	P-59	P-35	
Siemens MD FLENDER Code No.		A16	A15	A14	A13	
AGMA Grade		4 EP	5 EP	6 EP	7 EP	
Flash Point, °C	D92	250	248	248	247	
Pour Point, °C	D97	-38	-37	-37	-36	
Viscosity, Kinematic						
	cSt @ 40°C	D445	150	220	320	460
	cSt @ 100°C	D445	16.2	22.3	29.7	37.3
Viscosity Index	D2270	115	120	124	127	
Density, 15°C, kg/L,	D1298	0.856	0.867	0.878	0.880	
FZG Fail Stage,	D5182	>12	>12	>12	>12	
Micropitting Test,	FVA 54 I-IV	10/GFT-High	10/GFT-High	10/GFT-High	10/GFT-High	
Rust Protection,	D665A/B	Pass	Pass	Pass	Pass	
Demulsibility,	D1401	Pass	Pass	Pass	Pass	
Foam Test, Seq I-III	D892	<50/0	<50/0	<50/0	<50/0	
T, °C (viscosity is 25 cSt)		84.5	95.9	106.3	114.7	
T, °C (viscosity is 2,000 cSt)		2.2	7.9	13.2	17.5	
T, °C (viscosity is 5,000 cSt)		-7.3	-2.2	2.6	6.5	

ENVIRONMENT, HEALTH and SAFETY

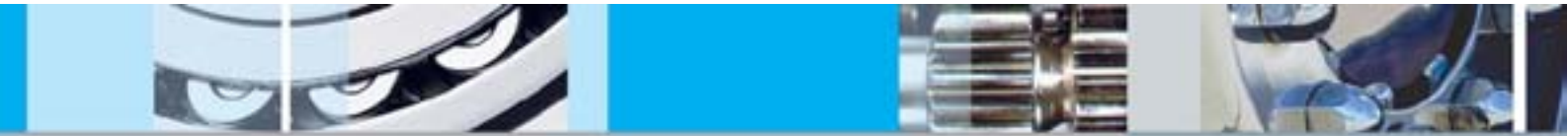
Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit: www.chevronlubricants.com.

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

1607

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



Performance standards

- ANSI/AGMA EP 9005-E02
- Fives Cincinnati (Cincinnati Machine)
- DIN 51517 Part 3 (CLP)
- US Steel 224
- ISO 12925-1
- 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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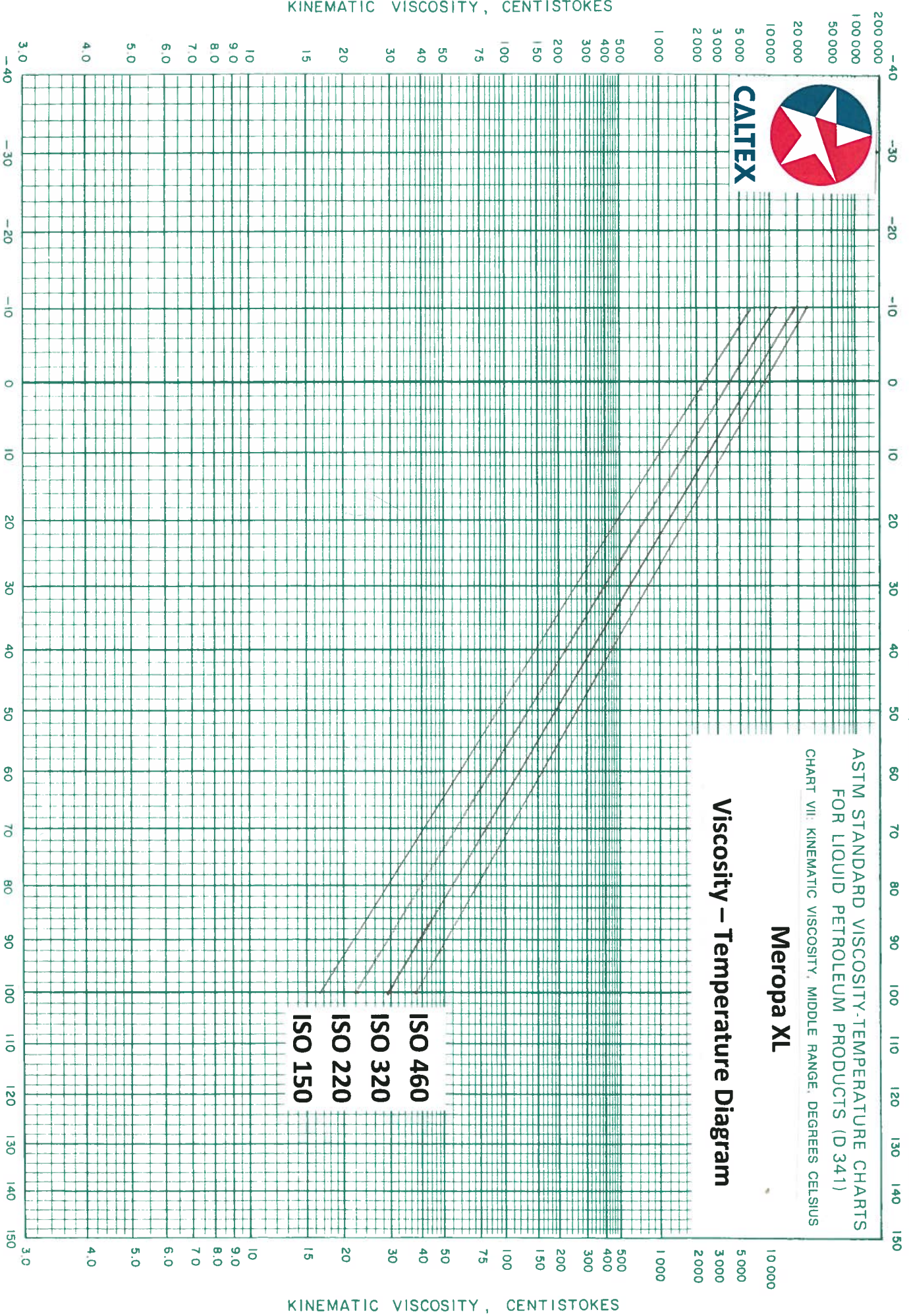


CALTEX

ASTM STANDARD VISCOSITY-TEMPERATURE CHARTS
FOR LIQUID PETROLEUM PRODUCTS (D 341)
CHART VII: KINEMATIC VISCOSITY, MIDDLE RANGE, DEGREES CELSIUS

Meropa XL

Viscosity - Temperature Diagram



TEMPERATURE, DEGREES, CELSIUS