



# MEROPA<sup>®</sup> XL

## 150, 220, 320, 460

### PRODUCT DESCRIPTION

Meropa<sup>®</sup> XL gear oils are premium high performance gear oils, offering long lubricant life, corrosion protection, excellent wear protection with high load carrying capacity and robust micropitting wear protection. They are designed for use in industrial and marine gear systems, where extreme load and shock load protection is required.

### CUSTOMER BENEFITS

Meropa XL gear oils deliver value through:

- **Provides thermal and oxidative stability** — The thermal and oxidative stability of Meropa XL minimizes deposit formation and can extend bearing and gear life. Excellent resistance to oil degradation at high temperatures, resulting in extended oil life and long drain intervals.
- **Rust and corrosion protection** - Meropa XL offers rust and corrosion protection over long service periods.
- **Extended gear and bearing life** — Particularly effective in enclosed gear drives operating under extreme load, speed, and temperature conditions.
- **Less wear** — Ensures optimum wear protection with reduced maintenance and increased system uptime.
- **Provides micropitting resistance** — Delivers excellent micropitting and wear protection with reduced maintenance and increased system uptime. Approved by Siemens MD and Rev. 15 (FLENDER) for helical, bevel and planetary gear units. Micropitting performance is a key component in the Siemens MD approval.
- **Keeps components clean** — Advanced additive technology helps prevent varnish and sludge and keeps components clean. Clean components can contribute to long lubricant and equipment life.

- **Water separation** — Excellent demulsibility and corrosion protection for trouble-free operation in applications where water contamination is unavoidable.

### FEATURES

Meropa XL gear oils are designed to help ensure trouble-free performance in today's smaller, lighter and more energy efficient industrial gear systems. The advanced formulation is balanced to provide extreme pressure protection, while providing protection against yellow metal corrosion. The robust chemistry is compatible with multiple types of sealant and paint coatings, and helps 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.



### APPLICATIONS

Meropa XL gear 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 requiring an extreme pressure lubricant

Also recommended for a variety of gears, including:

- Spur, bevel, helical, worm and industrial hypoid gear cases on mobile contractor type equipment
- Underground mining equipment
- Cement mills, ball mills
- Rolling mills

Product(s) manufactured in the USA.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

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- Crushers
- Shakers
- Hoists
- Conveyors
- Machine tools
- Marine equipment

Meropa XL gear oils are approved against:

- **Siemens** MD, Rev. 15 (FLENDER)
- **Fives Cincinatti**

Meropa XL gear oil meets the requirements of:

- **AGMA** EP 9005-E02 (ISO 150, 220, 320, 460)
- **DIN** 51517-3 (CLP)
- **David Brown**
- **ISO** 12925-1
- **US Steel** 224

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**TYPICAL TEST DATA**

<b>ISO Grade</b>	<b>150</b>	<b>220</b>	<b>320</b>	<b>460</b>
<i>Product Number</i>	277410	277411	277412	277413
<i>SDS Number</i>	37390	37390	37390	37390
AGMA Grade	4 EP	5 EP	6 EP	7 EP
API Gravity	33.6	31.6	29.5	29.3
Density at 15°C, kg/L	0.856	0.867	0.878	0.880
Viscosity, Kinematic cSt at 40°C cSt at 100°C	150 16.3	220 21.9	320 29.1	460 38.2
Viscosity Index	115	120	124	127
Flash Point, °C(°F)	250(482)	248(478)	248(478)	247(477)
Pour Point, °C(°F)	-36(-33)	-30(-22)	-30(-22)	-27(-17)
Foam Properties Sequence I-III, ASTM D892 Tendency, mL Stability, mL	0 0	0 0	0 0	0 0
Corrosion, Copper Strip, 3 hr at 100°C, ASTM D130	1B	1B	1B	1B
Rust Test, ASTM D665B	Pass	Pass	Pass	Pass
Steel Pin Corrosion (24 hours 60°C) Synthetic Sea Water ISO 7120B	Pass	Pass	Pass	Pass
FAG FE-8 Roller Bearing Test, DIN 51819-3 Roller Weight Loss (mg)	1.0	1.0	1.0	1.0
FZG Pass Stage, ASTM D5182	> 12	> 12	> 12	> 12
FZG Micropitting, Failure Stage, FVA 54	10/High	10/High	10/High	10/High

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

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

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