



# Meropa<sup>®</sup> XL

## High performance extreme pressure gear oils

### Product description

Meropa XL are high performance extreme pressure gear oils, offering high load carrying capacity and robust micropitting wear protection. They are designed for use in many industrial and marine geared and non-geared systems, where extreme load and shock load protection is required.

Meropa XL is formulated with a combination of Premium Group II and synthetic base oils, promoting high performance system wear protection, good water demulsibility, durable oxidation stability, and corrosion protection, designed to optimise system service life.

### Customer benefits

- Promotes micropitting resistance, helping provide optimum wear protection with reduced maintenance and increased system uptime
- Formulated to offer durable rust and corrosion protection, demulsibility, and foam inhibition, offering improved operating performance
- Premium Group II base oils and advanced additives offer robust thermal stability with keep-clean gear and bearing protection
- High oxidation stability helps limit in-service viscosity increases, offering optimised energy output and performance
- High viscosity index offers optimal viscosity and protection in both high temperature operations and low temperature start-ups

### Product highlights

- **Promotes micropitting resistance**
- **Offers durable rust and corrosion protection**
- **Keep-clean gear and bearing protection**
- **Helps limit in-service viscosity increases**
- **Offers optimal protection in both high and low temperatures**

#### Selected specification standards include:

AGMA	DIN
Flender	

## Applications

- Meropa XL oils are high performance, micropitting resistant gear lubricants designed for many types of industrial and marine geared and non geared lubrication services where extreme loads and shock loadings are present
- 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

## Approvals, performance and recommendations

### Approvals

- Specification of oil approvals for FLENDER gear units, Rev. 15 for Helical-, Bevel- and Planetary gear units. (ISO VG 150 – 460)

### Performance

- AGMA EP 9005-E02 (ISO 150, 220, 320, 460)
- DIN 51517-3 (CLP)

## Product maintenance and handling

- Meropa XL has the typical sulphur-phosphorus odour characteristic of industrial gear oils. A ventilated environment is recommended during use.

Typical test data						
Test	Test Methods	Results				
Viscosity Grade		150	220	320	460	
<b>Shelf Life: 60 months from date of filling indicated on the product label</b>						
AGMA code		4EP	5EP	6EP	7EP	
Base Oil Type	—	Semi-synthetic				
Kinematic viscosity at 40°C, mm <sup>2</sup> /s	ASTM D445	150	220	320	460	
Kinematic viscosity at 100°C, mm <sup>2</sup> /s	ASTM D445	16.2	22.3	29.7	37.3	
VI	ASTM D2270	115	120	124	127	
Density at 15°C, kg/l	ASTM D4052	0.856	0.885	0.878	0.897	
API Density	ASTM D4052	29.7	28.4	27.3	26.3	
Pour Point, °C	ASTM D5950	-36	-36	-36	-36	
Flash Point, °C	ASTM D92	250	248	248	247	
FZG A/8.3/90, stage	DIN 51 354/2	>12	>12	>12	>12	
FZG Micropitting, Failure stage	FVA 54	10/High	10/High	10/High	10/High	

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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