



marine products

# Meropa<sup>®</sup> MG



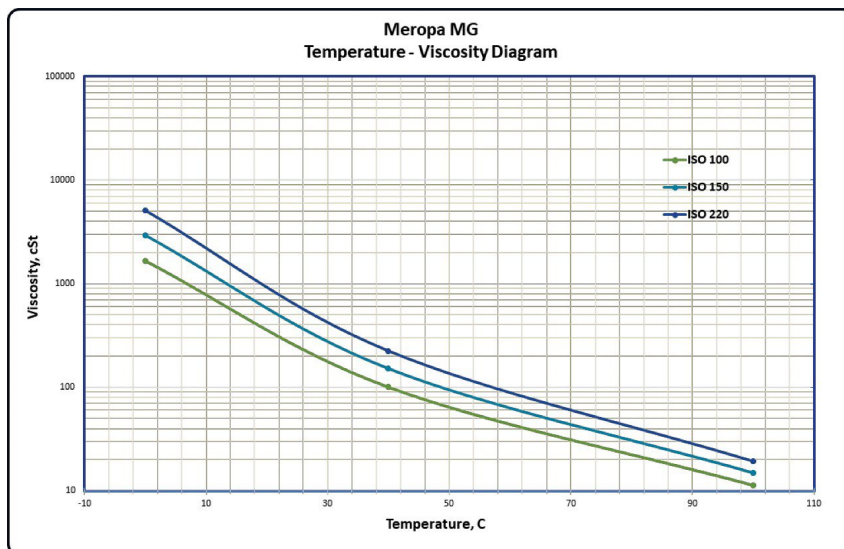
### Description

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

### Typical Characteristics

ISO Grade	100	150	220
<b>MPID</b>	<b>219493</b>	<b>219494</b>	<b>219495</b>
AGMA Grade	3EP	4EP	5EP
Density at 15°C, kg/l (ASTM D4052)	0.89	0.90	0.90
Viscosity, Kinematic at 40°C	100.0	150.0	220.0
Viscosity, Kinematic at 100°C	11.3	14.8	19.0
Viscosity Index	99	98	97
Flash Point, °C	234	254	268
Pour Point, °C	-24	-25	-26
Foam Properties Sequence I-III, D892			
Tendency, mL	<50	<50	<50
Stability, mL	0	0	0
Copper Corrosion, D130 (3 hr at 100°C)	1B	1B	1B
Rust Test, D665B	PASS	PASS	PASS
FAG FE-8 (D7.5-80/80-80), DIN 51819-3 Roller Weight Loss, (mg)	1.0	1.0	1.0
FZG Pass Stage, ASTM D5182	>12	>13	>12
FZG Micro-pitting, FVA 54, failure load stage	10/High	10/High	10/High

Minor variations in product typical test data are to be expected in normal manufacturing.  
 Meropa MG gear oils have the typical sulfur-phosphorus odor characteristic of industrial gear oils. A ventilated environment is recommended during use.





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### Recommended Applications

Meropa® MG gear oils are designed to ensure optimal performance in RENK and Flender/Siemens clutched gear boxes extensively used in marine vessels. 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 may attack the paint coatings and cause filter plugging.

### Meropa MG Is Approved For:

- ✓ **Ortlinghaus** clutch test
- ✓ **RENK**
- ✓ **Augsburg**
- ✓ **RENK Rheine**
- ✓ **Flender**
- ✓ **Reintjes**

### Meropa MG Meets The Requirements Of:

- ✓ **AGMA** 9005-F16 AS
- ✓ **DIN** 51517-3 (CLP)
- ✓ **ISO 6743-6 CKC** ISO-L-CKC
- ✓ **ISO 12925-1** CKC/D
- ✓ **Fives Cincinnatl** ISO 100-220
- ✓ **US Steel** 224
- ✓ **Zollern** (rope winch ISO 220)
- ✓ **Bremivl** (winch ISO 220)

### Meropa MG Is Suitable For Use In:

- ✓ Marine vessels using clutched gear boxes
- ✓ 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

### Performance Benefits

#### 1. Provides Thermal And Oxidative Stability

The thermal and oxidative stability of Meropa MG minimizes deposit formation and can extend bearing and gear life. Good resistance to oil degradation at high temperatures, resulting in extended oil life and long drain intervals.

#### 2. Rust And Corrosion Protection

Meropa MG offers rust and corrosion protection over long service periods.

#### 3. Extended Gear And Bearing Life

Particularly effective in enclosed gear drives operating under extreme load, speed, and temperature conditions.

#### 4. Less Wear

Ensures optimum wear protection with reduced maintenance and increased system uptime.

#### 5. Provides micro-pitting resistance

Delivers reliable micro-pitting and wear protection with reduced maintenance and increased system uptime.

#### 6. Keeps Components Clean

The advanced additive technology helps to prevent varnish and sludge and keeps the components clean. Clean components can contribute to long lubricant and equipment life.

#### 7. Water Separation

Good demulsibility and corrosion protection for trouble-free operation in applications where water contamination is unavoidable.



**Disclaimer.** Data provided in this PDS is based on standard tests under laboratory conditions and is indicative only. Minor variations which do not affect product performance are expected in normal manufacturing. This product should not be used for any purpose other than those expressly set out in this PDS. The user has sole responsibility for verifying that this product is suitable for the user's intended application. Recommendations differ between engine manufacturers so always consult your manual. Neither Chevron nor its subsidiaries make any warranty or representation as to the accuracy or completeness of this PDS and neither Chevron nor its subsidiaries accept liability for any loss or damage suffered as a result of the use of this product other than in accordance with the terms of this PDS. (January 2024)