

# Meropa<sup>®</sup> MG

High performance extreme pressure gear lubricant



## Product description

**Meropa<sup>®</sup> MG** is a range of high performance extreme pressure (EP) gear oils designed for use in industrial and marine clutched gear systems, where extreme load and shock load protection is required. Meropa MG gear oils are suitable for marine transmissions with wet clutches, and applications which require an Ortlinghaus approval.

Meropa MG is formulated from premium base oils with very good load carrying capacity, micro-pitting wear protection, water demulsibility, oxidation stability, and corrosion protection.

## Customer benefits

- Offers durable wear and micropitting protection, particularly in enclosed gear drives operating under extreme load, speed and temperature conditions, helping to increase uptime.
- High thermal and oxidation stability to help minimise deposit formation and extend gear and bearing life over long drain intervals.
- Formulated to provide rust and corrosion protection over long service periods.
- Advanced additive technology helps prevent varnish and sludge, keeping components clean and contributing to longer equipment life.
- Designed to provide durable water separation, demulsibility and corrosion protection to help optimise operations where water contamination is unavoidable.
- Robust chemistry is compatible with multiple types of sealant and paint coatings and helps to minimise the possibility of leaking seals and paint blistering on the inside of the gearbox.

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## Applications

Meropa MG gear oils are recommended for:

- Marine vessels using clutched gear boxes of various OEMs including Renk, Reintjes, Brunvoll Volda AS and Flender/Siemens
- 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

## Product approvals, performance and recommendations

MEROPA <sup>®</sup> MG	ISO 150
Ortlinghaus friction test (Clutch test)	Approved
Renk Augsburg	Approved
Renk Rheine	Approved
Brunnvoll	Approved
Reintjes	Approved
Flender	Approved
AGMA 9005 F16 AS	Meets requirements
DIN 51517 3 (CLP)	Meets requirements
ISO 6743 6 CKC (ISO L CKC)	Meets requirements
ISO 12925 1 (CKC/D)	Meets requirements
Five Cincinnati (ISO 100 220)	Meets requirements
US Steel 224	Meets requirements

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## Typical test data

MEROPA <sup>®</sup> MG	TEST METHOD	RESULT
<b>Viscosity Grade</b>		<b>150</b>
<b>Product Code</b>		<b>804363</b>
AGMA Grade	-	4EP
Density, 15 kg/L	ASTM D4052	0.893
Kinematic Viscosity, mm <sup>2</sup> /s @ 40°C	ASTM D445	150
mm <sup>2</sup> /s @ 100°C	ASTM D445	14.8
Viscosity Index	ASTM D2270	98
Flash Point, °C	ASTM D92	254
Pour Point, °C	ASTM D97	-24
Rust Prevention, Part A	ASTM D665A	Pass
Rust Prevention, Part B	ASTM D665B	Pass
Copper corrosion, 3hrs/100°C	ASTM D130	1B
Foam Seq I, Seq II, Seq III, ml	ASTM D892	50/0
FAG FE-8 (D7.5-80/80-80), Roller Weight Loss, (mg)	DIN 51819-3	1.0
FZG A/8.3/90, stage	DIN 51 354/2	>12
FZG Micropitting, Failure stage	FVA 54	10/High

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ENVIRONMENT, HEALTH, and SAFETY. Information is available on this product in the Safety Data Sheet (SDS) 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 an SDS for this product, visit the Product Information Center.

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Customers should 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.

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