



MEROPA®

68, 100, 150, 220, 320, 460, 680, 1000, 1500

PRODUCT DESCRIPTION

Meropa® gear lubricants are premium quality extreme pressure gear oils with excellent load carrying capacity, water demulsibility, oxidation stability, and corrosion protection.

CUSTOMER BENEFITS

Meropa gear oils deliver value through:

- **Gear set efficiencies** — High thermal stability EP system helps maintain clean gear and bearing surfaces, minimizing deposits which interfere with effective lubrication. High oxidation stability limits in-service viscosity increases, which can lead to energy losses.
- **Long equipment life** — Effective EP system forms a protective film in areas of metal-to-metal contact, minimizing wear rates and maintaining efficient transfer of power. Good water separation and effective rust inhibitors protect surfaces against rust and corrosion. High thermal stability additive system minimizes the formation of high temperature compounds which can be corrosive to bearing materials. The effective corrosion inhibitor provides additional protection for metal components.
- **Long oil life** — Effective oxidation inhibitors and copper passivator minimize oil oxidation, limiting viscosity increase and promoting long drain intervals.

FEATURES

Meropa oils are high performance, multipurpose gear lubricants designed for many types of industrial gear lubrication services where loads and shock loadings are high.

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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APPLICATIONS

Meropa oils are recommended for:

- industrial enclosed gearing where an AGMA extreme pressure lubricant is specified
- bath, splash, circulating, or spray mist lubrication as applicable to the proper viscosity grade
- general industrial plant lubrication where the performance properties of an AGMA extreme pressure lubricant is required



Meropa oils meet the requirements of:

- **AGMA** EP 9005-E02 (ISO 68, 100, 150, 220, 320, 460, 680, 1000, 1500)
- **DIN** 51517-3 (CLP)
- **MAG Cincinnati, Cincinnati Machine** P-63 (ISO 68), P-76 (ISO 100), P-77 (ISO 150), P-74 (ISO 220), P-59 (ISO 320), P-35 (ISO 460), P-78 (ISO 1000)
- **U.S. Steel** 224 Specification (ISO 220, 320, 460, 680)

Meropa oils (ISO 68, 100, 150, 220, 320, 460) are suitable for use in **Bijur** oil application equipment.

Meropa has a typical sulfur-phosphorus odor characteristic of industrial gear oils. A ventilated environment is recommended during use.

TYPICAL TEST DATA

ISO Grade	68	100	150	220	320
<i>Product Number</i>	277209	277219	277210	277211	277212
<i>SDS Number</i>	23551	23551	23551	23551	23551
AGMA Grade	2 EP	3 EP	4 EP	5 EP	6 EP
API Gravity	31.0	30.6	29.7	28.4	27.3
Viscosity, Kinematic cSt at 40°C cSt at 100°C	64.6 8.6	95.0 11.0	142 14.4	209 18.8	304 23.2
Viscosity, Saybolt SUS at 100°F SUS at 210°F	334 55	495 64	744 77	1102 96	1618 116
Viscosity Index	104	100	100	100	95
Flash Point, °C(°F)	225(437)	225(437)	240(464)	245(473)	245(473)
Pour Point, °C(°F)	-33(-27)	-30(-22)	-30(-22)	-21(-5)	-18(0)
Timken OK Load, lb	65	65	65	65	65
FZG Pass Stage, ASTM D5182	12	12	12	12	12

ISO Grade	460	680	1000	1500
<i>Product Number</i>	277213	277214	277215	277216
<i>SDS Number</i>	23551	23551	23551	23551
AGMA Grade	7 EP	8 EP	8A EP	9 EP
API Gravity	26.3	26.0	25.9	25.7
Viscosity, Kinematic cSt at 40°C cSt at 100°C	437 29.4	646 39.8	950 53.9	1425 74.0
Viscosity, Saybolt SUS at 100°F SUS at 210°F	2341 144	3467 194	5115 262	7699 359
Viscosity Index	95	100	107	114
Flash Point, °C(°F)	245(473)	260(500)	260(500)	260(500)
Pour Point, °C(°F)	-15(+5)	-12(+10)	-12(+10)	-12(+10)
Timken OK Load, lb	65	65	65	65
FZG Pass Stage, ASTM D5182	12	>12	>12	>12

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

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.