



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



APPLICATIONS

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

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

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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TYPICAL TEST DATA

| ISO Grade | 68 | 100 | 150 | 220 | 320 | 460 | 680 |
|---|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| Product Number | 277209 | 277219 | 277210 | 277211 | 277212 | 277213 | 277214 |
| SDS Number | 23551 | 23551 | 23551 | 23551 | 23551 | 23551 | 23551 |
| AGMA Grade | 2 EP | 3 EP | 4 EP | 5 EP | 6 EP | 7 EP | 8 EP |
| API Gravity | 31.0 | 30.6 | 29.7 | 28.4 | 27.3 | 26.3 | 26.0 |
| 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 | 437 29.4 | 646 39.8 |
| Viscosity, Saybolt SUS at 100°F SUS at 210°F | 334 55 | 495 64 | 744 77 | 1102 96 | 1618 116 | 2341 144 | 3467 194 |
| Viscosity Index | 104 | 100 | 100 | 100 | 95 | 95 | 100 |
| Flash Point, °C(°F) | 225(437) | 225(437) | 240(464) | 245(473) | 245(473) | 245(473) | 260(500) |
| Pour Point, °C(°F) | -33(-27) | -30(-22) | -30(-22) | -21(-5) | -18(0) | -15(+5) | -12(+10) |
| Timken OK Load, lb | 65 | 65 | 65 | 65 | 65 | 65 | 65 |
| FZG Pass Stage, ASTM D5182 | 12 | 12 | 12 | 12 | 12 | 12 | >12 |

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

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TYPICAL TEST DATA

| ISO Grade | 1000 | 1500 |
|---|-------------|--------------|
| <i>Product Number</i> | 277215 | 277216 |
| <i>SDS Number</i> | 23551 | 23551 |
| AGMA Grade | 8A EP | 9 EP |
| API Gravity | 25.9 | 25.7 |
| Viscosity, Kinematic cSt at 40°C cSt at 100°C | 950 53.9 | 1425 74.0 |
| Viscosity, Saybolt SUS at 100°F SUS at 210°F | 5115 262 | 7699 359 |
| Viscosity Index | 107 | 114 |
| Flash Point, °C(°F) | 260(500) | 260(500) |
| Pour Point, °C(°F) | -12(+10) | -12(+10) |
| Timken OK Load, lb | 65 | 65 |
| FZG Pass Stage, ASTM D5182 | >12 | >12 |

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