



CHEVRON MEROPA®

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

CUSTOMER BENEFITS

Chevron Meropa oils deliver value through:

- **Gear set efficiencies** — High thermal stability EP system maintains clean gear and bearing surfaces, minimizing deposits which interfere with effective lubrication. High oxidation stability limits in-service viscosity increases, which lead to energy losses.
- **Extended equipment life** — Extremely 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 reduces 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 extending oil drain intervals.

FEATURES

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

APPLICATIONS

Chevron Meropa oils are recommended for:



- all industrial enclosed gearing and wherever 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 this type of lubricant are required

Chevron Meropa oils meet the requirements of:

- **U.S. Steel** 224 (ISO 220, 320, 460, 680)
- **AGMA** 9005 (ISO 68, 100, 150, 220, 320, 460, 680, 1000, 1500)
- **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)

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

For customers wishing to extend drain intervals and further reduce gear wear, and where water contamination is minimal, Chevron Meropa oils are recommended. Chevron Meropa oils can be used in industrial applications where overloading, severe operating conditions, high lubricant operating temperatures, or other problems are encountered. Chevron Meropa oils have been shown to reduce operating temperatures, power consumption/energy requirements, and failure rates in industrial operating environments.

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

Always confirm that the Chevron product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

TYPICAL TEST DATA

| ISO Grade | 68 | 100 | 150 | 220 | 320 |
|---|-------------|--------------|-------------|-------------|-------------|
| <i>Product Number</i> | 277209 | 277219 | 277210 | 277211 | 277212 |
| <i>MSDS 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 D 5182 | 12 | 12 | 12 | 12 | 12 |

| ISO Grade | 460 | 680 | 1000 | 1500 |
|---|-------------|-------------|-------------|--------------|
| <i>Product Number</i> | 277213 | 277214 | 277215 | 277216 |
| <i>MSDS 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 D 5182 | 12 | > 12 | > 12 | > 12 |

Typical test data are average values only. Minor variations which do not affect product performance are to be expected in normal manufacturing.