



# Meropa<sup>®</sup>

## Premium performance extreme pressure gear lubricants

### Product description

The Texaco Meropa range of premium industrial EP gear lubricants provide very high wear protection and exceptional load-carrying capacity as well as protection against shock loads and micro-pitting. Meropa industrial gear lubricants are designed to protect a wide variety of heavy-duty gear systems and bearings.

### Customer benefits

- Protection against gear wear, micro-pitting and bearing wear, increasing system life
- Reliable thermal and oxidation stability extends oil life, improving uptime and productivity
- Reduced deposit and sludge formation ensure cleaner systems, reducing service downtime
- Effective corrosion prevention increases component reliability, cutting unscheduled maintenance time
- Rapid water separation optimises lubrication performance and rust prevention, reducing costs
- Good foam suppression, even when contaminated with water, ensures trouble-free operation
- Wide range of industrial, marine and mobile applications reduces inventories, saving time and money

### Product highlights

- **Extends equipment life**
- **Improves reliability**
- **Reduces inventories**
- **Meets DIN, ISO, US Steel, AGMA, Textron Power Transmission and Cincinatti Milacron specifications**
- **Recommended for a variety of OEM applications**

## Applications

Meropa lubricants are recommended for the lubrication of a wide range of industrial, mobile and marine equipment.

- All types of enclosed gear drives and speed reducers ranging from fractional kilowatt gear motors to large, high power units on metal rolling mills, cement mills, and mine hoists
- Chain drives, sprockets, low-speed plain and anti-friction bearings, slide guides, couplings, screws
- Meropa lubricants also perform well in industrial hypoid gears and are recommended for use in transmission gear case and worm drive axles on automotive, construction and mining equipment
- Marine applications include main propulsion systems, centrifuges, deck machinery such as winches, windlasses, cranes, turning gears, pumps, elevators and rudder carriers and many other applications
- Meropa lubricants are suitable for bath, splash and circulation application
- The lighter viscosity grades are well suited to mist lubrication systems where equipment such as Norgren and Alemite is employed

- Mist lubrication of roller bearings, plain bearings, gears, slides and ways, chain drives and other applications where lubricants requiring good heat stability and anti-wear properties are needed
- Meropa lubricants are non-corrosive to gear and bearing materials such as steel, copper, bronze, babbitt or cadmium-nickel

## Approvals, performance and recommendations

### Performance

Meropa gear oils meet the requirements of:

- DIN 51517/3 (CLP)
- ISO 12925-1 (CKD)
- US Steel 224
- AGMA 9005-E02
- Textron Power Transmission : VG 68 (2E), VG 100 (3E), VG 150 (4E), VG 220 (5E), VG 320 (6E), VG 460 (7E), VG 680 (8E), VG 1000 (9E)
- Cincinatti Milacron P-35, P-59, P-63, P-74, P-77, P-78

## Typical test data

Test	Test methods	Results				
Viscosity Grade		68	100	150	220	320
Visc. Kinematic at 40°C	ISO 3104	68	100	150	220	320
Visc. Kinematic at 100°C	ISO 3104	8.6	11.2	14.5	18.8	24
Visc. Index	ISO 2909	98	94	95	96	97
Colour	ISO 2049	2	2	<3	<3	<3.5
Flash Point, °C	ISO 2592	225	228	230	240	242
Pour point, °C	ISO 3016	-30	-27	-24	-21	-21
Density, 15°C, Kg/l	ASTM D1298	0.8815	0.887	0.891	0.895	0.899
Cu Corrosion, 3h, 100°C	ASTM D0130	1A	1A	1A	1A	1A
FZG Damaged Load, A/8.3/90	DIN 51354	12	12	>12	>12	>12

Typical test data					
Test	Test methods	Results			
<b>Viscosity Grade</b>		<b>460</b>	<b>680</b>	<b>1000</b>	<b>1700</b>
Visc. Kinematic at 40°C	ISO 3104	460	680	1000	1700
Visc. Kinematic at 100°C	ISO 3104	31.6	37.47	47.37	62
Visc. Index	ISO 2909	100	90	90	84
Colour	ISO 2049	3.5	-	-	-
Flash Point, °C	ISO 2592	246	250	254	260
Pour point, °C	ISO 3016	-15	-15	-15	-15
Density, 15°C, Kg/l	ASTM D1298	0.903	0.92	0.934	0.938
Cu Corrosion, 3h, 100°C	ASTM D0130	1A	1A	1A	1A
FZG Damaged Load, A/8.3/90	DIN 51354	>12	>12	>12	>12

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

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Health, safety, storage and environmental Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). MSDSs are available upon request through your local sales office, or via the Internet. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment and follow local legislation.

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