



Meropa®

Proven performance EP industrial gear lubricant

Product Data Sheet

Product description

Meropa is a proven performance industrial gear lubricant designed for use in a wide range of industrial equipment where an extreme pressure lubricant is specified.

Meropa is formulated with a highly refined mineral base oil and stable sulphur phosphorus additive technologies, designed to optimise lubrication performance and wear protection.

Meropa is available in the following grades:
ISO VG 68, 100, 150, 220, 320, 460, 680, 1000 and 1500.

Customer benefits

- Extreme pressure additives optimise lubrication and minimise component wear
- Oxidation and thermal stability protect at high temperatures, extending oil lifetime
- Corrosion and rust resistance reduces maintenance and improves equipment uptime
- Superior demulsibility ensures rapid water separation

Applications

- Meropa lubricants are recommended for the lubrication of a wide variety of industrial and mobile equipment. Typical applications include enclosed gear systems, chain drives, sprockets, plain and anti-friction bearings, slide guides, and flexible couplings
- Meropa lubricants are particularly recommended for 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
- Meropa lubricants are suitable for the lubrication of industrial hypoid-type gears and are also recommended for use in transmission gear cases and worm drive axles on automotive, construction and mining equipment


Product highlights:

- Wide range of applications
- EP performance optimises wear protection
- Resists oxidation degradation and corrosion
- Rapid water separation
- Selected specification standards include:
 - DIN 51517/3 (CLP)
 - ISO 12925-1 (CKD)
 - US Steel 224
 - AGMA 9005-E02
 - Textron Power Transmission
 - Cincinnati Milacron
 - ANSI/AGMA 9005-E02(EP)

A Chevron company product

All trademarks are property owned by Chevron Intellectual Property LLC.



- 
- Meropa lubricants are suitable for bath, splash and circulation applications
 - Meropa lubricants are recommended for mist systems used in a wide variety of fields such as steel, aluminium, chemical and paper equipment lubrication, and machine tools and materials handling equipment industries
 - The lighter Meropa grades are suitable for mist lubrication systems with equipment such as Norgren and Alemite
 - Other specific applications for Meropa are in marine gearing such as main propulsion, centrifuges, and deck machinery including winches, windlasses, cranes, turning gears, pumps, elevators and rudder carriers

Approvals and performance specifications

Performance specifications

Meropa meets:

- 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)
- Cincinnati Milacron P-35, P-59, P-63, P-74, P-77, P-78
- ANSI/AGMA 9005-E02(EP)



Typical test data

MEROPA TEST	TEST METHODS	RESULTS		
Viscosity Grade		68	100	150
Product Code		530400	530409	530401
Visc. Kinematic at 40 °C, mm ² /s	ISO 3104	68	100	150
Visc. Kinematic at 100 °C, mm ² /s	ISO 3104	8.6	11.2	14.5
Viscosity Index	ISO 2909	98	94	95
Colour	ISO 2049	2	2	3.5
Colour, diluted	ISO 2049	-	-	-
Flash Point, °C	ISO 2592	225	228	224
Pour Point, °C	ISO 3016	-30	-27	-27
TAN, mg KOH/g	ASTM D0664	0.58	0.58	0.58
Density, 15 °C, Kg/l	ASTM D1298	0.882	0.887	0.894
Cu Corrosion, 3h, 100 °C	ASTM D0130	1A	1A	1A
FZG Damaged Load, A/8.3/90	DIN 51354	12	12	12
Corrosion Inhibition, 3h at 121 °C	ASTM D130	1A	1A	1A
Corrosion Inhibition, 168h at 100 °C	ASTM D130	1B	1B	1B

continued

Typical test data

MEROPA				
TEST	TEST METHODS	RESULTS		
Viscosity Grade		220	320	460
Product Code		530402	530403	530404
Visc. Kinematic at 40 °C, mm ² /s	ISO 3104	220	320	460
Visc. Kinematic at 100 °C, mm ² /s	ISO 3104	18.8	24	31.6
Viscosity Index	ISO 2909	96	97	100
Colour	ISO 2049	<3	<3.5	3.5
Colour, diluted	ISO 2049	-	-	-
Flash Point, °C	ISO 2592	240	242	246
Pour Point, °C	ISO 3016	-21	-12	-15
TAN, mg KOH/g	ASTM D0664	0.58	0.58	0.56
Density, 15 °C, Kg/l	ASTM D1298	0.895	0.899	0.903
Cu Corrosion, 3h, 100 °C	ASTM D0130	1A	1A	1A
FZG Damaged Load, A/8.3/90	DIN 51354	>12	>12	>12
Corrosion Inhibition, 3h at 121 °C	ASTM D130	1A	1A	1A
Corrosion Inhibition, 168h at 100 °C	ASTM D130	1B	1B	1B



continued

Typical test data

MEROPA TEST	TEST METHODS	RESULTS		
Viscosity Grade		680	1000	1500
Product Code		530405	530406	530407
Visc. Kinematic at 40 °C, mm ² /s	ISO 3104	680	1000	1500
Visc. Kinematic at 100 °C, mm ² /s	ISO 3104	37.5	47.4	59.0
Viscosity Index	ISO 2909	90	90	85
Colour	ISO 2049	-	-	-
Colour, diluted	ISO 2049	4.5	5.5	6.5
Flash Point, °C	ISO 2592	250	254	260
Pour Point, °C	ISO 3016	-15	-15	-12
TAN, mg KOH/g	ASTM D0664	0.56	0.56	0.56
Density, 15 °C, Kg/l	ASTM D1298	0.920	0.934	0.931
Cu Corrosion, 3h, 100 °C	ASTM D0130	1A	1A	1A
FZG Damaged Load, A/8.3/90	DIN 51354	>12	>12	>12
Corrosion Inhibition, 3h at 121 °C	ASTM D130	1A	1A	1A
Corrosion Inhibition, 168h at 100 °C	ASTM D130	1B	1B	1B

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.

Disclaimer Chevron accepts no liability for any loss or damage suffered as a result of using this product for any application other than applications specifically stated in any Product Data Sheet's.

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). MSDS's 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.

For more information, go to www.chevronlubricants.com