Meropa®

Extreme Pressure Industrial Gear Oil

Product description

Meropa® oils are high performance, mild Extreme Pressure (EP) industrial gear lubricants formulated with a sulfur-phosphorus additive system, together with additives designed to help inhibit rust, corrosion and oxidation, and a metal passivator.

Meropa® is primarily designed for industrial gear lubrication applications where loads and shock loadings are high.

Customer benefits

- **Helps maintain gear set efficiencies**
  High thermal stability EP system helps maintain clean gear and bearing surfaces, helping limit deposits which interfere with effective lubrication. High oxidation stability helps limit in-service viscosity increases which can lead to energy losses.

- **Helps protect metal surfaces**
  EP system helps form a protective film in areas of metal-to-metal contact, helping limit wear and support efficient transfer of power. Good water separation and rust inhibitors help protect surfaces against rust and corrosion. High thermal stability additive system helps limit the formation of high temperature compounds which can be corrosive to bearing materials. The effective corrosion inhibitor provides additional protection for metal components.

- **Oxidation stability**
  Oxidation inhibitors and copper passivator help limit oil oxidation and viscosity increase and can help contribute to extended oil drain intervals.

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Applications

Can include:

- Enclosed industrial gear drives.
- Open gear drives (heavy grades).
- Spur, bevel, helical, worm and industrial hypoid gear cases.
- Industrial type reduction gearboxes on mining equipment, cement mills, ball and rolling mills, crushers, conveyors, kilns, winches, machine tools and marine equipment.
- Chain drives, sprockets, slide guides and flexible couplings.
- Plain and rolling element bearings.
- For bath, splash, circulation or spray lubrication, as applicable to the grade.

Approvals, performance and recommendations

MEROPA®	68	100	150	220	320	460	680	1000	1500
AIST (US Steel) 224	M	M	M	M	M	M	M	M	
ANSI/AGMA 9005-F16 Antiscuff	M	M	M	M	M	M	M	M	M
David Brown S1-53.101 (5E)	M	M	M	M	M	M	M	M	
DIN 51517/3 CLP	M	M	M	M	M	M	M	M	M
Fives Cincinnati	M (P-63)	M (P-76)	M (P-77)	M (P-74)	M (P-59)	M (P-35)	M P-34)	M (P-78)	
ISO 12925-1 CKC / CKD	M	M	M	M	M	M	M	M-CKC	
Joy Global (Komatsu Mining)				M (TO-MEP)	M (TO-HEP)	M (TO-HD)			
Rexnord Falk, Class A, F, J, V and Planetgear	A	A	A	A	A	A	A		
Rexnord Falk, Class D, G, Y and Link Belt Model R	A	A	A	A	A	A	A		
Rexnord Falk, EP	A	A	A	A	A	A	A		
Sumitomo Drive Technologies, Paramax Gear Boxes	A	A	A	A	A				
SMS Group SN 180-2		A	A	A	A	A	A		
ZF TE-ML 04H		A	A						
ZF TE-ML 04F				A					

A: Approved
M: Meets the requirements

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Typical test data

MEROPA®	RESULTS								
ISO Grade	**68**	**100**	**150**	**220**	**320**	**460**	**680**	**1000**	**1500**
Product Code	**530400**	**530409**	**530401**	**530402**	**530403**	**530404**	**530405**	**530406**	**530407**
FZG Pass Stage	12	12	12	12	12	12	12	12	12
Pour point, °C	-15	-15	-15	-15	-15	-15	-12	-3	-3
Timken OK Load, kg	31.8	31.8	31.8	34	34	34	34	34	34
Viscosity,									
mm²/s @ 40°C	68	100	150	220	320	460	680	1000	1500
mm²/s @ 100°C	8.8	11.4	15	19.4	24.8	31.2	41.5	52	70.2
Viscosity Index	101	100	100	100	99	98	101	99	103

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ENVIRONMENT, HEALTH, and SAFETY. Information is available on this product in the Safety Data Sheet (SDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions, and comply with laws and regulations concerning product use and disposal. To obtain an SDS for this product, visit the Product Information Center.

This Product Data Sheet (PDS) was produced for the Asia-Pacific region in good faith from the best information available at the time of issue. The specific information included may not directly reflect the local market or conditions. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. For the most up-to-date, country-specific information, please contact your local customer service center.

Customers should 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.

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Chevron's Family of Brands

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