



Meropa[®] BM

Premium performance gear lubricants

Customer benefits

Protection under high load

Meropa BM delivers outstanding wear and corrosion protection to enclosed gear drive units in a range of drive systems including high power gear motors, in high shock, high load applications such as steel rolling mills, cement works and mining operations where both wear and corrosion protection are critical to optimised production output.

These advanced lubricants combine very high quality base stocks combined with high performance sulphur-phosphorus additives which provide outstanding extreme pressure performance. Special extreme pressure boosters are also included, offering exceptionally durable oil film protection to all metal surfaces in the drive system, eliminating wear and micro pitting damage through metal-to-metal contact at high load or in shock load situations.

Meropa BM is available in the following grades:
ISO VG 680, 1000 and 1700.

Extended equipment service life

Meropa BM also delivers extended equipment life through advanced rust and corrosion resistance, protecting steel, copper, bronze, babbitt and cadmium nickel components.

Meropa BM's advanced technology formulation features a very high quality base stock combined with leading edge additive technologies. These offer exceptional thermal stability and resistance to oxidation in demanding operating conditions, significantly extending component service life and equipment performance.

This comprehensive range of world-beating lubricants is suitable for splash, mist, bath or circulatory lubrication systems. These advanced products are highly foam resistant, maintaining surface protection in a wide range of gear and drive systems, including hypoid-type gears and worm drive systems, significantly reducing friction and wear in high load operations.

Product features

The Meropa BM range delivers world-class lubrication protection solutions to gear and drive systems in high power motors, flexible couplings and speed reducers operating under high loads in extreme operating environments.

Applications

- Recommended for use in enclosed gear systems; chain drives; sprockets; plain and anti-friction bearings; slide guides; flexible couplings; speed reducers; low output and high power motor systems in rolling mills, cement works and mine hoists.

Approvals, performance and recommendations

Performance

- DIN 51517/3
- DIN 51502 Type CLP F

Typical test data				
Test	Test methods	Results		
Viscosity Grade		680	1000	1700
Visc. Kinematic at 40°C	ISO 3104	680	1000	1700
Visc. Kinematic at 100°C	ISO 3104	37	45	62
Visc. Index	ISO 2909	90	90	86
Flash Point, °C	ISO 2592	262	238	250
Pour point, °C	ISO 3016	-12	-12	-12
TAN, mg KOH/g	ASTM D0664	0.55	0.52	0.48
Density, 15°C, Kg/l	ASTM D1298	0.920	0.928	0.924
Cu Corrosion, 3h, 100°C	ASTM D0130	1B	1B	1B
FZG Damaged Load, A/8.3/90	DIN 51354	>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.

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 Sheets.

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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