



Meropa[®] Synlube[®] WS

Premium performance synthetic industrial gear lubricants

Product description

Meropa Synlube WS are a range of premium performance synthetic industrial gear lubricants designed for use in demanding operating conditions, offering reliable micropitting and extreme pressure (EP) protection with dependable thermal stability and corrosion resistance.

The premium performance Meropa Synlube WS range is formulated with water soluble polyalkylene glycols and is available in ISO 150, 220, 320, 460 and 680 grades.

Customer benefits

- Formulated to provide reliable micro-pitting resistance and component protection under demanding conditions
- Designed to offer robust EP performance, improving component protection and system uptime
- High thermal stability helps improve oil service life and maintenance intervals, reducing downtime
- Reliable oxidation resistance offers optimum keep-clean system protection
- Low sludge and deposit formation helps maintain system reliability
- Good corrosion protection assists in keeping maintenance costs down

Product highlights

- **Formulated for micro-pitting protection**
- **Designed to offer EP protection**
- **Promotes thermal stability**
- **Offers oxidation resistance**
- **Low sludge and deposit formation**
- **Good corrosion protection**

Selected specification standards include:

David brown

DIN

Flender

Applications

Meropa Synlube WS is an industrial gear oil range, designed for use with the following gear systems:

- Helical
- Bevel Helical
- Planetary
- Worm gears

These products are also suitable for use in the following applications:

- Fill for life, disposable gearboxes
- Compressors – both rotary screw and reciprocating
- Textile manufacturing
- Chain and conveyors
- Kilns and ovens
- Sliding and roller bearings in high load/EP applications

Approvals, performance and recommendations

Approvals

- David brown Type G lubricants
- Flender BA T 7300 A+B: for use in helical, planetary and worm gear boxes – Revision 13

Performance

- DIN 51517 part 3

Product maintenance and handling

Compatibility with metals

Polyalkylene glycols (PAG) and aluminium components are not compatible and in systems where aluminium comes into contact steel, such as in bearing cages or worm gear drives Meropa Synlube WS must be avoided.

However, aluminium gearboxes which have no bearing or sliding surfaces in direct contact with a steel shaft are uncritical and can therefore be used with Meropa Synlube WS. Please check with your OEM manual.

These products are not miscible with mineral oils and should preferably not be mixed with other polyglycol based lubricants in order to preserve the premium properties of Meropa Synlube WS.

Mixing Meropa Synlube WS and other PAG based gear oils could result in a change in appearance. Please note that possible haziness has no influence on the performance of Meropa Synlube WS.

Meropa Synlube WS does not affect common seal and gasket materials. The use of nitrile rubber (NBR), fluoro-silicone or vinyl-methyl polysiloxane (Q) is recommended for high temperature applications.

These products are not compatible with polyurethane based elastomers, leather, cork, asbestos, paper and board.

It is recommended to use Meropa Synlube WS in gearboxes where the internal surface is unpainted or coated with resistant materials, for example a resistant two-pack epoxy formulation.

Typical test data						
Test	Test Methods	Results				
Viscosity Grade		150	220	320	460	680
Shelf Life: 24 months from date of filling indicated on the product label.						
Kinematic Viscosity at 40°C, mm ² /s	ISO 3104	150	220	320	460	680
Kinematic Viscosity at 100°C, mm ² /s	ISO 3104	25	41.8	61.6	85.3	126.8
VI	ISO 2909	227	241	252	262	272
Flash Point, COC °C	ISO 2592	284	284	282	262	272
Pour point, °C	ISO 3016	-42	-42	-42	-36	-33
Density, 15 °C, Kg/l	ASTM D1298	1.0527	1.0575	1.0625	1.0667	1.0729
Cu Corrosion, 3h, 100 °C	ASTM D0130	1B	1B	1B	1B	1B
Rust – Distilled water	ASTM D0665A	Pass	Pass	Pass	Pass	Pass
FZG load stage, A/8.3/90	DIN 51354	—	>12	—	>12	>12
FZG Micro-pitting, 90°C Damage Load stage	FVA I-IV	—	10	—	10	10

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.

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