



Meropa[®] Synthetic EP

High performance synthetic gear and circulating oil

Product description

Meropa Synthetic EP is a range of high performance synthetic extreme pressure (EP) gear and circulating oils, designed for use in a wide range of industrial equipment operating under severe conditions, such as in high temperature heavy and/or shock load situations.

In severe applications, Meropa Synthetic EP offers a longer service life than conventional lubricants. Formulated with a poly-alpha-olefin and synthetic base fluid combination and advanced additive system, Meropa Synthetic EP offers highly reliable EP protection, thermal oxidation stability with corrosion and rust resistance.

Meropa Synthetic EP is available in grades ISO VG 150, 220, 320 and 460.

Customer benefits

- High performance thermal and oxidation stability offers resistance to deposit formation and helps minimise unscheduled maintenance
- Advanced EP additives offer bearing and gear wear protection in heavy-duty operation, extending equipment life in severe service
- Rust and corrosion inhibitor system offers optimum component protection and helps maximise equipment uptime
- Air and water separation performance helps reduce surface wear caused by loss of lubricating oil film protection
- Compatibility with many conventional seals and mineral-type circulating oils minimises operational issues when changing oil types

Product highlights

- **Offers resistance to deposit formation**
- **Designed for bearing and gear wear protection**
- **Promotes rust and corrosion resistance**
- **Formulated for air and water separation performance**
- **Helps minimise issues when changing oil types**

Selected specification standards include:

ANSI/AGMA	David Brown
DIN	Staubli
US Steel	

Applications

- Suitable for many types of gear system in mobile and stationary industrial equipment where an EP lubricant is specified, including spur, bevel and worm gears
- Plain and anti-friction bearings subjected to heavy-duty operating conditions
- Circulating oil systems where an EP lubricant is required
- Outdoor machinery, such as cranes, hoists and winch gearboxes, exposed to wide ambient temperature conditions
- Speed reducers, chain drives, sprockets and flexible couplings
- Bath, splash, circulating and spray lubrication systems

Approvals, performance and recommendations

Approvals

Meropa Synthetic EP was formerly known as Pinnacle EP. This product was approved by:

- David Brown Table H approval
- Staubli Textile machines

Performance

- ANSI/AGMA Standard 9005-EO2
- DIN 51517 Part 3 CLP
- US Steel Specification No. 224

Typical test data					
Test	Test Methods	Results			
Viscosity Grade		150	220	320	460
Shelf Life: 60 months from date of filling indicated on the product label.					
Visc. Kinematic at 40°C	ISO 3104	150	220	320	460
Visc. Kinematic at 100°C	ISO 3104	18.8	26.1	35.2	46.5
Visc. Index	ISO 2909	150	154	159	163
Flash Point, COC, °C	ISO 2592	244	234	240	246
Pour point, °C	ISO 3016	-48	-48	-42	-39
Density at 15 °C, Kg/l	ASTM D1298	0.850	0.853	0.855	0.856
FZG Damaged Load, A/16.6/90	DIN 51354	>12	>12	>12	>12
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.

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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