marine products

Meropa® Elitesyn XM

Description

Meropa® EliteSyn XM formulas contain base oil that is the result of extensive, state-of-the-art refining, further boosted with advanced additive technology to help provide superior gear protection – protection that even exceeds that of traditional PAO gearbox gear oil formulations on different aspects.

Typical Characteristics

ISO Grade	150	220	320
Viscosity, kinematic			
cSt @ 40°C	151	223	320
cSt @ 100°C	20.6	27.7	37.0
Viscosity Index	159	161	165
Density @ 15°C, kg/l	0.8754	0.8836	0.8912
Flash Point, °C	239	239	239
Pour Point, °C	-39	-39	-39
FZG, Fail Load Stage A/8.3/90	>14	>14	>14
Four-Ball			
EP Weld, kg	315	315	315
Rust Test, ASTM D665A and B	Pass	Pass	Pass
Timken OK Load, lb	>100	>100	>100
FAG FE-8 Roller Bearing Test,			
Roller Weight Loss (mg)	1	1	1
FZG Micropitting, Failure Stage	10/High	10/High	10/High

Recommended Applications

Meropa EliteSyn XM gear oils are recommended for:

- Industrial enclosed gearing where an AGMA EP lubricant is specified.
- Bath, splash, circulating, or spray mist lubrication of plain and roller bearings.
- Purifier gears and reduction gears.
- Marine gearboxes requiring an extreme pressure lubricant.

Meropa® Elitesyn XM are approved by:

- ☑ **Siemens Flender** rev 16.1
- ☑ **Sumitomo Hansen**
- ☑ **Renk** Augsberg
- ☑ **Renk** Rheine
- ☑ **SEW**
- ☑ **ZF**
- ☑ **Bonfiglioli**

Meropa® Elitesyn XM meet the requirements of:

- ☑ **DIN** 51517-3: CLP-HC
- ☑ **ANSI/AGMA** 9005-F16-AS
- ☑ **ISO** 12925-1: CKC; CKD; CKSMP and CKE
- ☑ **AIST** 224
- ☑ **David Brown** S1.53.101(SE)
- ☑ **Joy Mining machinery:** TO-SMEP (ISO 220,320)
- ☑ **GE** D50E35 (ISO 320)
- ☑ **GB** 5903-2011

Meropa® Elitesyn XM are suitable for use in:

- ☑ **Centrifuges** Alfa Laval, Westfalia, Mitsubishi Kakoki
- ☑ **Several gearbox applications** where mineral gear oils cannot be used due to extreme operating conditions or in gearbox applications where extended drain intervals are required.

Performance Benefits

1. Maximum Efficiency

Advanced additive technology, resulting in less power consumption, provides the opportunity for energy, equipment and productivity efficiencies. Furthermore, Meropa® EliteSyn XM can efficiently help protect equipment operating within a wide operating temperature window (-30 °C to + 140 °C).

2. Bearing and Gear Protection

Bearing and gear protection combined with good copper compatibility at elevated temperatures were shown in the FZG test. Meropa® EliteSyn XM gear oils are designed to deliver maximum protection against micropitting and wear, with reduced maintenance and increased system uptime.

3. Compatibility

Meropa® EliteSyn XM gear oils contain additives to help protect paint coatings and provide compatibility with multiple types of seals to help minimize the possibility of leaking seals and paint blistering on the inside of the gearbox. Competitive products with overaggressive chemistries will attack the paint coatings and cause filter plugging.

4. Low Friction

Unique low friction coefficient promotes improved gear efficiency, energy savings, less friction, less wear, and lower operating temperatures compared to conventional mineral oils.

5. Extended Drain Intervals

Very high oxidation resistance promotes longer lubricant life, fewer maintenance costs, and less used oil disposal.

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 chevronmarineproducts.com.