



Meropa EliteSyn™ XM

Premium performance synthetic gear lubricants

Product description

Meropa EliteSyn XM are premium performance synthetic gear oils, designed for long life micro-pitting wear protection in industrial and marine gear systems where extreme load and shock load protection is required.

Meropa EliteSyn XM oils are formulated to offer reliable efficiency at reduced operating temperatures in smaller, lighter and more energy efficient gearboxes. This product protects internal/external paint and is compatible with many seal types, helping minimise leaks.

Customer benefits

- Advanced technology additives promote performance through lower energy consumption and equipment production output efficiencies
- Developed with a synthetic base oil formulation designed to lower coefficient of friction and help reduce gearbox temperatures
- Formulated for high oxidation resistance, with long drain intervals and long, reliable lubricant service life
- Designed for reliable equipment protection and performance across a wide ambient temperature range
- Wide equipment operating temperature window ranging from -30°C to +140°C
- Offers robust wear and micro-pitting resistance and contributes to reducing maintenance costs and system downtime

Product highlights

- **Developed to reduce gearbox temperatures**
- **Promotes lower energy consumption**
- **Formulated for high oxidation resistance**
- **Designed for use across wide ambient temperatures**
- **Operating temperature range from -30°C to +140°C**
- **Offers robust wear and micro-pitting resistance**

Selected performance standards include:

| | |
|-----------|-------------|
| ANSI/AGMA | David Brown |
| DIN | Hansen |
| Hitachi | ISO |
| Siemens | US Steel |

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 as applicable to the proper viscosity grade
- Marine gearboxes requiring an extreme pressure lubricant without multi-disk Clutch.

Approvals, performance and suitable for use

Approvals

- Siemens Industrial gear units Rev. 16
- Hansen industrial gear units: Series HP1, HP2, HPP, P4 and M4ACC

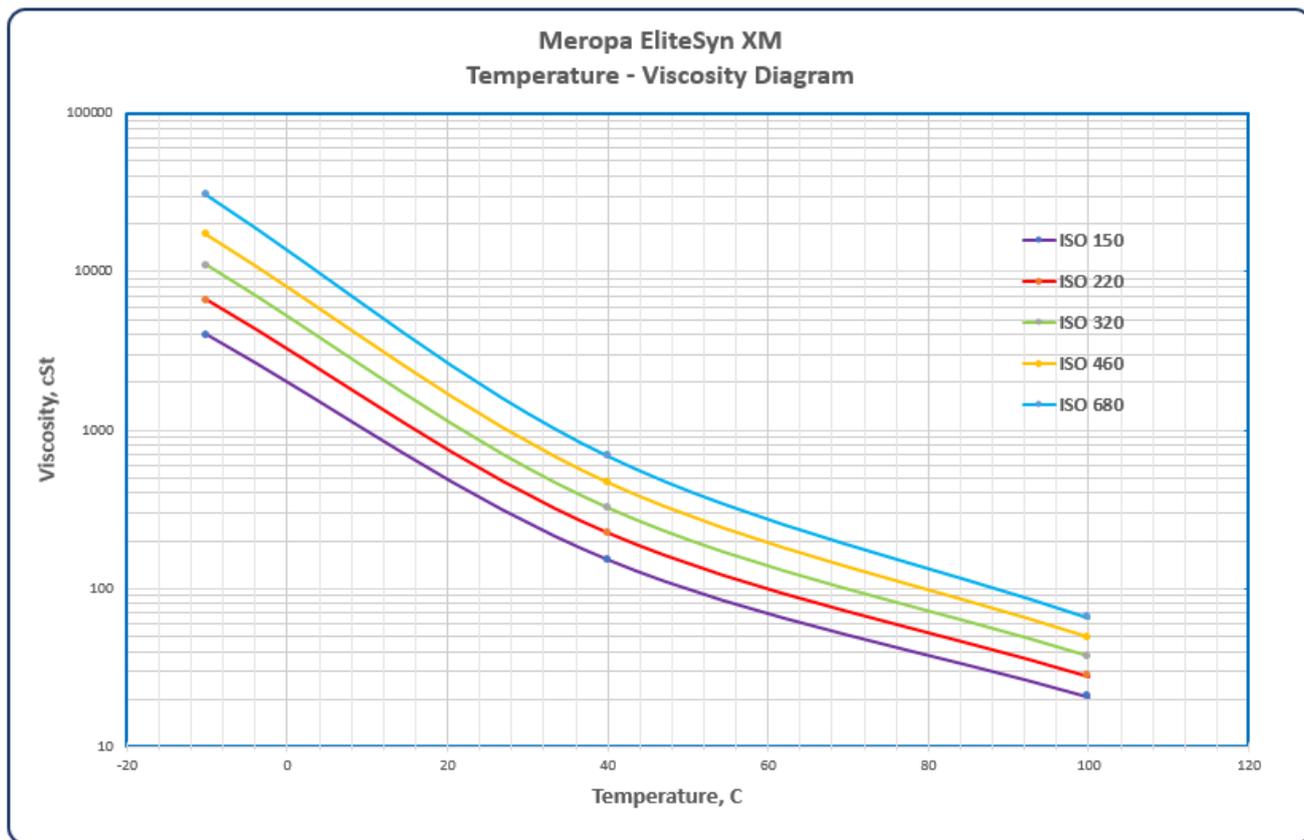
Performance

Operating temperature: -30°C up to +140°C

- DIN 51517-3 CLP
- ANSI/AGMA 9005-F16-AS
- ISO 12925-1 CKC/CKD
- US Steel 224
- David Brown S1.53.101(SE)
- Hitachi AC Final Drive Gear (ISO 460 and ISO 680)

| Typical test data | | | | | | |
|--|--------------|---------|---------|---------|---------|---------|
| Test | Test Methods | Results | | | | |
| Viscosity Grade | | 150 | 220 | 320 | 460 | 680 |
| Shelf Life: 36 months from date of filling indicated on the product label | | | | | | |
| AGMA Grade | | 4EP | 5EP | 6EP | 7EP | 8EP |
| Kinematic Viscosity at 40°C, mm ² /s | ASTM D445 | 151 | 223 | 320 | 464 | 688 |
| Kinematic Viscosity at 100°C, mm ² /s | ASTM D445 | 20.6 | 27.7 | 37.0 | 48.8 | 65.5 |
| VI | ASTM D2270 | 159 | 161 | 165 | 165 | 167 |
| Density at 15°C, kg/l | ASTM D4052 | 0.8754 | 0.8836 | 0.8912 | 0.8975 | 0.9041 |
| Flash Point, COC, °C | ASTM D92 | 224 | 224 | 224 | 224 | 224 |
| Pour Point, °C | ASTM D2270 | -39 | -39 | -39 | -36 | -33 |
| Rust Test A | ASTM D665A | Pass | Pass | Pass | Pass | Pass |
| Rust Test B | ASTM D665B | Pass | Pass | Pass | Pass | Pass |
| Four Ball EP, Weld, kgf | ASTM D2783 | 315 | 315 | 315 | 315 | 315 |
| Timken OK Load, lb | ASTM D2509 | >100 | >100 | >100 | >100 | >100 |
| FZG, Failure Load Stage (A/8.3/90) | DIN 51354 | >14 | >14 | >14 | >14 | >14 |
| FAG FE-8 Roller Bearing test Roller Weight Loss, mg | DIN 51819/3 | 1 | 1 | 1 | 1 | 1 |
| FZG Micropitting Failure stage | FVA 54 | 10/high | 10/high | 10/high | 10/high | 10/high |

The typical test data set out above does not constitute a specification. It is indicative only and can be affected by allowable production tolerances. Chevron may modify this test data. Modified data will supersede all previous data, so please ensure you refer to the latest version of this Product Data Sheet (PDS).



Disclaimer: Data provided in this Product Data Sheet (PDS) is based on standard tests under laboratory conditions and is indicative only. This product should not be used for any purpose other than those expressly set out in this PDS. The user has sole responsibility for verifying that this product is suitable for the user's intended application. Neither Chevron nor its subsidiaries (i) make any warranty or representation as to the accuracy or completeness of this PDS; and/or (ii) accept liability for any loss or damage suffered as a result of the use of this product other than in accordance with the terms of this PDS.

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Safety Data Sheets (SDS's) are available for all Chevron products. If you require a SDS or any further information regarding a Chevron product, please contact your local sales office or see www.texacolubricants.com.

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