



marine products

Meropa® Synthetic WM 320



Description

Meropa® Synthetic WM 320 is formulated with synthetic hydrocarbons and a reliable sulphur-phosphorus Extreme Pressure additive package which is designed to minimize wear of enclosed industrial gears operated under heavy loads and shock conditions. It provides good foam resistance and water separating characteristics which make it ideal for circulating systems with incidental water contamination. The non-corrosive formula aims to protect gear and bearing materials such as steel, copper, bronze, babbitt or cadmium-nickel. Meropa Synthetic WM 320 has good oxidative and thermal stability for long service life. The naturally high VI and low pour point provide improved performance and lower viscous drag losses at low operating temperatures compared to conventional industrial gear oils. It has been specially designed to provide high micro-pitting protection.

Typical Characteristics

MPID	219956
Kinematic Viscosity at 40°C, mm ² /s	320.0
Kinematic Viscosity at 100°C, mm ² /s	35.4
Viscosity Index	156
Flash Point, °C	240
Pour point, °C (ASTM D97)	-48
Density, 15°C, Kg/l	0.85
FZG Damaged Load, A/8.3/90	>12

Recommended Applications

Meropa Synthetic WM 320 is Chevron's primary recommendation for the lubrication of industrial gear systems. Meropa Synthetic WM 320 is recommended for the lubrication of heavily loaded enclosed industrial gear drives and reducers, spur, bevel, helical, worm and industrial hypoid gear cases, open pit and underground mining equipment, cement mills, ball mills, rolling mills, crushers, shakers, hoists, conveyors, kilns, winches, machine tools, skip lines and marine equipment. Meropa Synthetic WM 320 is successfully used for wind turbine applications.

Meropa Synthetic WM 320 is approved for:

☒ **Moventas** Wind Turbine Gearboxes

Meropa Synthetic WM 320 meets the requirements of:

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



Performance Benefits

1. Minimizes Wear

Extreme pressure properties to minimize wear.

2. Long Service Life

Oxidative and thermal stability promote long service life.

3. Rust and Corrosion Protection

Helps to protect against rust and corrosion.

4. High and Low Operating Temperature

Wide ambient operating temperature range due to the high VI and low pour point.

5. Good Demulsibility

Good demulsibility for rapid water separation.

6. Foam Resistant

Has foam resistant qualities.

7. Micro-Pitting Protection

High micro-pitting protection.

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.



Disclaimer. Data provided in this PDS is based on standard tests under laboratory conditions and is indicative only. Minor variations which do not affect product performance are expected in normal manufacturing. 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. Recommendations differ between engine manufacturers so always consult your manual. Neither Chevron nor its subsidiaries make any warranty or representation as to the accuracy or completeness of this PDS and neither Chevron nor its subsidiaries 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.