



# MEROPA<sup>®</sup> SYNTHETIC WM 320

## PRODUCT DESCRIPTION

Meropa<sup>®</sup> Synthetic WM 320 is a gear lubricant for heavily-loaded enclosed gear drives in industrial applications and in wind turbines.

## CUSTOMER BENEFITS

Meropa Synthetic WM gear lubricant delivers value through:

- **Excellent protection** — Wind turbine gear boxes, mobile and general industrial enclosed gear and drive systems operating in a wide variety of severe applications. These advanced lubricants help deliver complete protection under demanding conditions where water contamination and elevated temperatures will cause lubrication failure in conventional oils.
- **High viscosity index** — Excellent equipment performance and protection, offering exceptionally low viscosity performance in very low temperature start-ups. This low viscosity continues to offer excellent low drag coefficients as the equipment reaches normal operating temperature, maximizing energy efficiency.
- **Stable chemistry** — Outstanding thermal stability at elevated temperatures. Meropa Synthetic WM is highly resistant to oxidation and deposit formation, helping to maximize lubrication performance, system cleanliness and service life. It offers excellent foam suppression and demulsifies water, rapidly separating it, making it ready for removal from the system.
- **Rust and corrosion protection** — Non-corrosive to steel, copper, bronze, babbitt and nickel cadmium, and offers excellent high-level rust and corrosion protection over very long service periods.

## FEATURES

Meropa Synthetic WM's polyalphaolefin (PAO) base oil technology, combined with its advanced sulfur-phosphorus additive systems, delivers powerful extreme pressure protection. This maximizes wear resistance, including micropitting, in heavily-loaded, high shock load situations, promoting optimal equipment performance and service life.



## APPLICATIONS

Recommended for the lubrication of heavily loaded enclosed gear drives and speed reducers driven by wind turbines, fractional horsepower motors and large high horsepower units in heavy duty industrial applications.

Meropa Synthetic WM 320 is successfully used for wind turbine applications and suitable for use in Flender gear units. It can also be used in Vestas wind mills where either Pinnacle WM 320 (previous name) or Meropa Synthetic WM 320 is recommended.

Also recommended for a variety of gears including:

- spur, bevel, helical, worm and industrial hypoid gear cases on mobile contractor type equipment
- 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

Product(s) manufactured in the USA.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

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## Meropa® Synthetic WM — Continued

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Meropa® Synthetic WM 320 is approved by **Moventas** for use in wind turbine gearboxes.

Meropa Synthetic WM 320 meets the requirements of:

- **ANSI/AGMA** 9005-E02 EP
- **David Brown** Textron Power Transmission
- **DIN** 51517-3 CLP
- **US Steel** 224

### TYPICAL TEST DATA

ISO Grade	Test Method	320
<i>Product Number</i>		278095
<i>SDS Number</i>		23564
Density at 15.6°C, kg/L	ASTM D4052	0.856
Viscosity, Kinematic cSt at 40°C cSt at 100°C	ASTM D445	320 35.4
Viscosity Index	ASTM D2270	156
Flash Point, °C(°F)	ASTM D92	240(464)
Pour Point, °C(°F)	ASTM D97	-45(-49)
Acid Number, mg KOH/g	ASTM D664	0.7
Copper Corrosion, 3h @ 100°C	ASTM D130	1A
FZG Scuffing, (A/8.3/90) Fail Stage	DIN 51354	>12

Minor variations in product typical test data are to be expected in normal manufacturing.

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