



# Meropa® WM

## High performance industrial gear lubricant

Product Data Sheet

### Product description

Meropa WM is a high performance industrial gear lubricant. It is formulated with high quality mineral base oils and an advanced sulphur-phosphorus Extreme Pressure additive system, designed to minimise wear in enclosed gears, and other equipment under heavy loads and shock loadings.

Available in viscosity grades 100 through 680, Meropa WM is specifically designed to provide high-level micro-pitting protection and surpasses the load stage 10 in the FZG Micro Pitting test (FVA.54/I-IV) and is therefore classified as GFT-High.

### Customer benefits

- High-level micro-pitting protection optimises equipment uptime
- Advanced sulphur-phosphorus Extreme Pressure additive system minimises component wear
- Oxidation and thermal protection increase lubricant service life, reducing downtime
- High performance rust and corrosion protection increases equipment life
- Superior demulsibility and rapid water separation ensures protection in circulation systems where water contamination may be present
- Non corrosive to materials such as steel, copper, bronze, babbitt or cadmium-nickel
- Effective foam suppression optimises lubrication performance

### Applications

- Meropa WM lubricants are recommended for the lubrication of a wide variety of industrial and mobile equipment. Typical applications include enclosed gear systems, chain drives, sprockets, plain and anti-friction bearings, slide guides, and flexible couplings
- Meropa WM lubricants are particularly recommended for enclosed gear drives and speed reducers, ranging from fractional kilowatt gear motors to large, high power units on metal rolling mills, cement mills, and mine hoists


### Product highlights:

- High-level micro-pitting protection
- Advanced sulphur-phosphorus EP formulation
- Optimum component wear protection
- High performance rust and corrosion resistance
- Rapid water separation and air release
- Selected specification standards include:
  - AGMA
  - Cincinatti Milacron
  - David Brown
  - DIN
  - US Steel
  - Valmet

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- Meropa WM lubricants are suitable for the lubrication of industrial hypoid-type gears and are also recommended for use in transmission gear case and worm drive axles on automotive, construction and mining equipment and plastic extruders gearboxes
  - Meropa WM lubricants are suitable for bath, splash and circulation application
  - The lighter Meropa WM grades are recommended for mist systems used in a wide variety of fields such as steel, aluminium, chemical and paper lubrication, and machine tools and material handling equipment industries, where equipment such as Norgren and Alemite is employed
  - Another specific application of Meropa WM is marine gearing, such as main propulsion, centrifuges and deck machinery including winches, windlasses, cranes, turning gears, pumps, skip lines, elevators and rudder carriers
  - Meropa WM 320 is suitable for use in wind turbine applications

## Approvals and performance specifications

### Performance specifications

Meropa WM meets:

- US Steel 224
- AGMA 9005-E02
- DIN 51517/3

### Approvals

- David Brown
- Cincinnati Milacron
- Valmet



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continued

## Typical test data

MEROPA WM TEST	TEST METHODS	RESULTS		
Viscosity Grade		220	320	460
Product Code		033017	033115	040047
Visc. Kinematic at 40 °C	ISO 3104	220	320	460
Visc. Kinematic at 100 °C	ISO 3104	19.1	24.4	30.9
Visc. Index	ISO 2909	97	97	97
Colour	ISO 2049	3.0	3.5	3.5
Flash Point, °C	ISO 2592	250	250	254
Pour point, °C	ISO 3016	-24	-9	-15
TAN, mg KOH/g	ASTM D0664	0.54	0.54	0.54
Density, 15 °C, Kg/l	ASTM D1298	0.893	0.9006	0.903
Cu Corrosion, 3h, 100 °C	ASTM D0130	1A	1A	1A
FZG Damaged Load, A/16.6/90	DIN 51354	>12	>12	>12

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended.

Produced by Chevron Lubricants; Africa, Middle East and Pakistan.

Environment, Health and Safety Information is available on this product in the Material Safety Data Sheet (MSDS) 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 a MSDS for this product, visit [www.caltexoils.com](http://www.caltexoils.com).

For more information, go to [www.chevronlubricants.com](http://www.chevronlubricants.com)