



# Meropa® WG

## Compounded Industrial Gear and Steam Cylinder Oil

Product Data Sheet

### Customer benefits

- **Protects metal surfaces**

The excellent lubricity and wetability characteristics of the high viscosity mineral oil compounded with selected fatty oils provides high film strength to protect both worm gears, and steam cylinders and valves from wear. The effective inhibitor system protects components against rust and corrosion.

- **Improves Operation**

The refined grade of fatty compounding material used in the formulation allows relatively easy separation from steam and condensate, compared with other compounded cylinder oils containing different types of fatty oils. Good atomizing properties enable the oil to be evenly distributed over the surfaces of the cylinder walls and piston rods for effective lubrication in the presence of steam. The anti-foam inhibitor ensures smooth delivery of lubricant to the working surfaces.

- **Extends oil service life**

The good oxidation and thermal stability of the refined fatty compounding material resists oil breakdown with heat.

### Applications

Can include:

- Heavily loaded industrial worm gear sets
- Low speed, heavily loaded spur and helical gears
- Low speed or high temperature bearings
- Steam cylinder and valve lubrication where the steam is wet or of poor quality (see service consideration below)

### Performance standards

- ANSI/AGMA 9005-E02 Type CP (Compounded)

### Product description:

Premium quality, high viscosity, industrial gear oil with low carbon residue, compounded with selected fatty oils together with rust and foam inhibitors. Also designed for steam cylinder and valve lubrication where the steam is wet or of poor quality.

A Chevron company product

## Typical key properties

MEROPA WG				
TEST	TEST METHODS	RESULTS		
Viscosity Grade		220	460	680
Product Code		530528	530530	530531
Visc. Kinematic at 40°C, mm <sup>2</sup> /s	ASTM D445	220	439	651
Visc. Kinematic at 100°C, mm <sup>2</sup> /s	ASTM D445	19.32	30.0	42.8
Viscosity Index	ASTM D2270	100	97	109
Flash Point, °C	ASTM D92	250	284	314
Pour Point, °C	ASTM D97	-6	-9	-6
Carbon Residue, m%	ASTM D189	0.22	0.6	0.6

## Service considerations

Steam cylinder and valve lubrication where the steam is wet or of poor quality Meropa WG 460 is recommended for low-pressure saturated steam systems. Meropa WG 680 is recommended for high-pressure saturated steam systems. Generally recommended listed below;

### Meropa® WG ISO 460 Grade:

- Saturated steam applications at pressures in the range 700 to 1000 kPa (100 to 150 lbf/in<sup>2</sup>)

### Meropa® WG ISO 680 Grade:

- Saturated steam at pressures up to 2000 kPa (300 lbf/in<sup>2</sup>)

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)