

### Product description

**Meropa® WG** oil is a 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.

### 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 help protect both worm gears, and steam cylinders and valves from wear. The effective inhibitor system helps protect components against rust and corrosion.

- **Improves operation**

The refined grade of fatty compounding material used in the formulation assists the separation from steam and condensate. 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 assists with smooth delivery of lubricant to the working surfaces.

- **Promotes 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 Considerations below)

### Product approvals, performance and recommendations

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

### 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>)

### Typical test data

MEROPA® WG	RESULTS		
ISO Grade	220	460	680
Product Code	530528	530530	530531
Viscosity, Kinematic			
- mm <sup>2</sup> /s @ 40°C	220	439	651
- mm <sup>2</sup> /s @ 100°C	19.32	30.0	42.8
Viscosity Index	100	97	109
Flash Point, COC, °C	250	284	314
Pour Point, °C	-6	-9	-9
Carbon Residue, m%	0.22	0.6	0.6

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 the Product Information Center.

This Product Data Sheet (PDS) was produced for the Africa, Middle East and Pakistan region in good faith from the best information available at the time of issue. The specific information included may not directly reflect the local market or conditions. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. For the most up-to-date, country-specific information, please contact your local customer service center.

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