



# Protect your gearboxes

## Keep the heart of your operation healthy

Did you know that 50% of gear failures are caused by improper lubrication or incorrect loading?\* When a gearbox fails, productivity can grind to a stop. Understanding the operating conditions and environmental exposures many gearboxes are subjected to makes it easier to prescribe an oil to keep your operation healthy.

## Meet the Meropa family

Chevron has designed the Meropa family of gear oils to help navigate the challenging conditions gearboxes encounter from contamination, micropitting, pressure and extreme temperatures. Meropa oils offer excellent load carrying capacity, water demulsibility and oxidation stability, contain EP additives safe for yellow metals, and also protect against bearing wear and corrosion.

Formulated to help control corrosion deposits, oxidation and foam, there's a Meropa gear oil available to fulfill your specific needs.

### Meropa®

Our core product, designed for many types of industrial gear lubrication services where loads and shock loadings are high.



Multipurpose

### Meropa® XL

A semi-synthetic option designed for use in today's smaller, lighter and more energy-efficient industrial gear systems, where extreme load and shock load protection is required.



Multipurpose



Industrial

### Meropa EliteSyn™ XM

A synthetic formulation designed to enable maximum efficiency improvements in today's smaller, lighter and more energy-efficient industrial and marine gear systems, where extreme load and shock load protection is required.



Multipurpose



Industrial

### Meropa EliteSyn™ WL

A synthetic formulation designed to deliver high-efficiency improvements in modern gearboxes—including GE electric wheel motors and others—in wind turbines and other applications where extreme load and shock load protection is required.



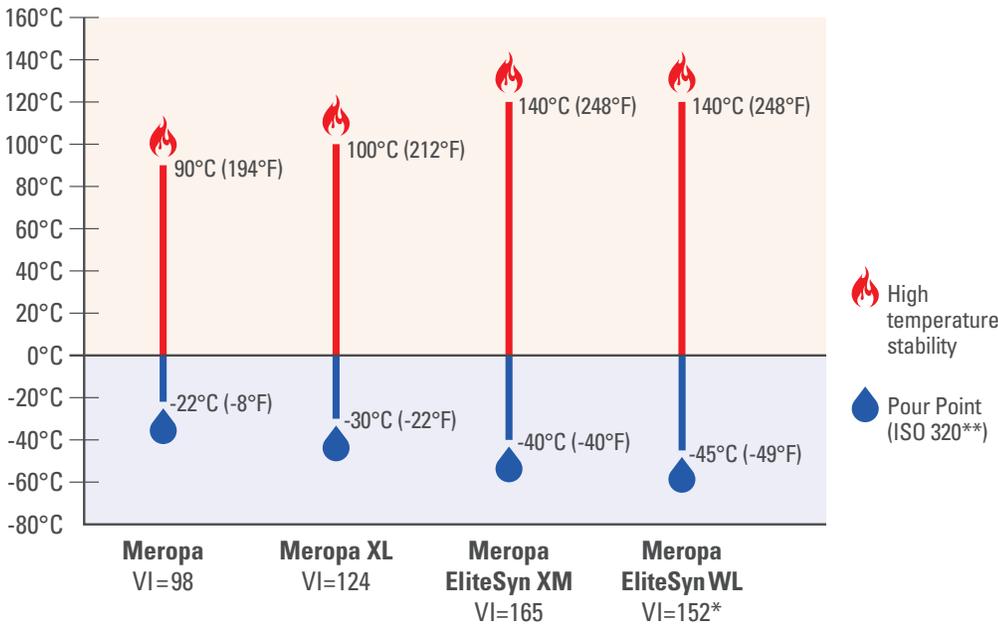
Wind turbine



Wheel lubricant

## Choose the Meropa gear oil that's right for your needs

### High performance across a wide range of ambient conditions

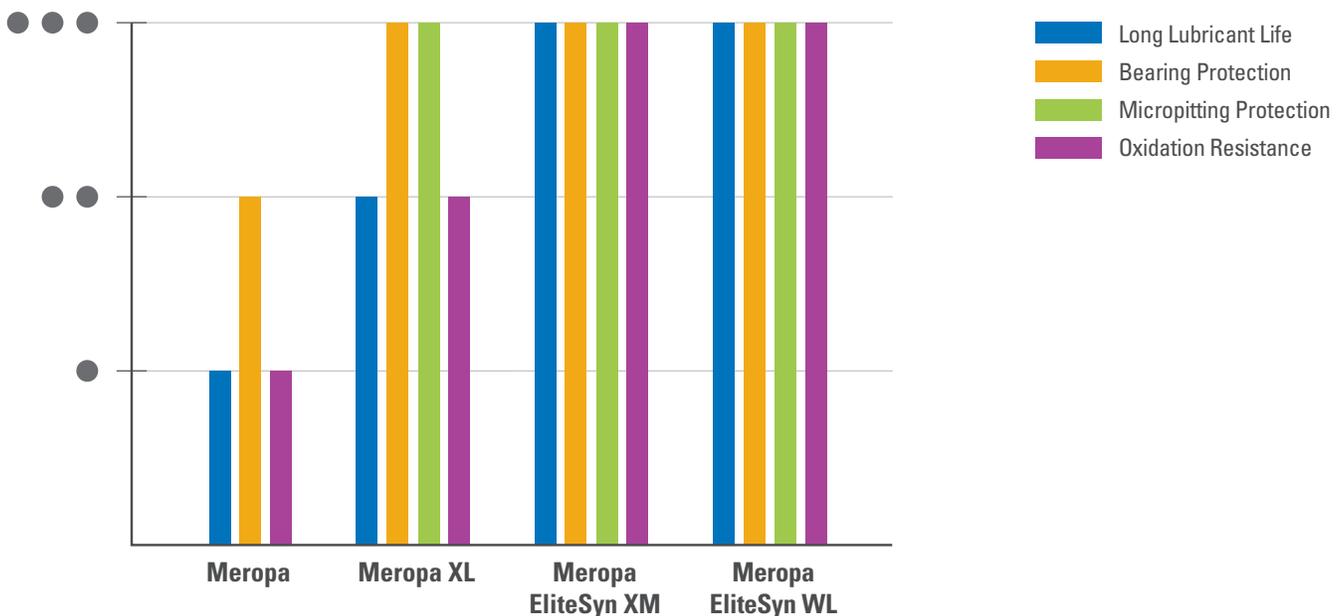


#### Why does Viscosity Index (VI) matter?

The higher the Viscosity Index the more stable the lubricant's viscosity remains over temperature fluctuations, meaning better performance in:

- Extreme and variable ambient conditions
- Use across equipment with varying optimum viscosity
- Situations with varying loads and speeds
- Energy efficiency
- Longer lubricant and equipment life

### Maximum operational efficiency



\* Meropa EliteSyn WL ISO 320 not yet available in North America.  
 \*\* Testing was run against comparative ISO 320 grades.

## What factors contribute to efficiency?

### Long lubricant life

Lubricants that remain effective for longer enable increased drain intervals—minimizing downtime and reducing the environmental impacts of used oil disposal.

Meropa	Meropa XL	Meropa EliteSyn XM	Meropa EliteSyn WL
			

### Bearing protection for optimized bearing life

When bearings become worn, they no longer align the gears perfectly. Gear misalignment can cause damage to the gear teeth, which leads to equipment failure.

Meropa	Meropa XL	Meropa EliteSyn XM	Meropa EliteSyn WL
 (2/126)	 (1/87)	 (5/93)	 (4/29)

(roller weight loss/cage weight loss, mg)

### Micropitting protection

Micropitting creates wear or damage on bearing surfaces and gear teeth. It is first visible to the naked eye as a dull gray stain on the gear teeth and can eventually lead to further damage.

Meropa XL	Meropa EliteSyn XM	Meropa EliteSyn WL
 >10, HIGH	 >10, HIGH	 >10, HIGH

### Oxidation resistance

- Resistance to oxidation leads to better overall protection of the gearbox and bearings
- Cleaner bearings run smoother and cooler—for more efficient operation and less downtime

Meropa	Meropa XL	Meropa EliteSyn XM	Meropa EliteSyn WL
 5.1	 4.4	 2.5	 1.9

(Oxidation @ 121°C, ASTM D2893, KV100 increase, %; ISO 320)\*

### Visit

[ChevronLubricants.com/Industrial](https://ChevronLubricants.com/Industrial) for more information on each product.

\* Testing was run against comparative ISO 320 grades.

## Other trusted Chevron industrial lubricants

- **Cylinder Oil W:** Provides cost-effective lubrication with emulsification for gearboxes that require a compounded (fatty acids) no-EP gear lubricant. ISO 220, 460 and 680 viscosities available.
- **Clarity® Machine Oil:** Offers ashless EP protection for industrial equipment such as gearboxes located in an environmentally sensitive area. Non-toxic to aquatic species as determined by LC-50 testing. ISO viscosity 150 to 460 available.
- **Clarity Synthetic Machine Oil:** Combines the proprietary ashless EP formulation with the superior performance properties of polyalphaolefin (PAO) synthetic base oils. Suitable for environmentally sensitive areas and non-toxic to aquatic species. ISO viscosity 150 to 460 available.
- **Regal R&O:** Provides lubrication for light-duty gearboxes that require ANSI/AGMA RO 9005 F16, which do not require EP. ISO viscosity 22 to 680 available.



### ISOCLEAN Certified Clean

Chevron can deliver Meropa gear oils certified to the OEM ISO 4406 Cleanliness requirement. Ensuring lubricants start clean every time helps minimize downtime, reduce maintenance costs and extend equipment life.

#### Get more information at:

[chevronlubricants.com/ISOCLEAN](https://chevronlubricants.com/ISOCLEAN)

**“It costs 10 times as much to remove the particulate contamination than to prevent it from occurring in the first place.”\***

## LubeWatch®

### LubeWatch® Oil Analysis Program

Through regular fluid analysis, equipment life and fluid replacement intervals can be optimized. The information gathered assists with scheduling maintenance work, preventing catastrophic failures and maximizing component life.

#### Get more information at:

[chevronlubricants.com/LubeWatch](https://chevronlubricants.com/LubeWatch)



### SmartFill Labels

Simplify your maintenance change-out and top-off procedures with the SmartFill label program. The labels are printed with UV-rated dye to reduce fading on a non-melt material so they can be affixed to equipment.

#### Order here and avoid incorrect lubricant mixtures:

[chevronlubricants.com/SmartFill](https://chevronlubricants.com/SmartFill)

\* Allis, Michelle. Wearcheck Africa. Machinery Lubrication. “How to Avoid Particle Contamination”. Noria 2021.

## To learn more, visit



[chevronlubricants.com/industrial](https://chevronlubricants.com/industrial)



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