

FAMILY OF PRODUCTS

MEROPA[®] GEAR OILS



**CALTEX LUBRICANTS
CAN HELP YOU
RUN BETTER LONGER**

LUBRICANTS FOR

MEROPA® GEAR OILS

We understand the maintenance value drivers in gear lubrication.

Let us help your organization develop a personalized lubrication plan to help reduce unscheduled downtime, optimize production time and in turn, maximize profitability.

We understand the maintenance value drivers in gear lubrication.

For most operations:

- Downtime directly impacts production and revenue
- Unscheduled downtime can be complex
- Lubrication preventative maintenance tasks are difficult to manage due to manpower constraints
- Safety during repair and downtime has potential to be compromised

Overhaul costs are expensive—maximizing the life of equipment components and in turn, production time is significant to lowering the Total Cost of Ownership (TCO).



Meropa XL



REACH A NEW LEVEL OF RELIABILITY WITH THE RBL™ PROGRAM

Reliability matters at every step of the value chain. Chevron specialists can help add even more value to your lubrication program by providing expertise along with world-class products and targeted services – all working in sync to help you get the most out of your equipment and operations, time and time again.

To learn more, contact your marketer.



CHEVRONLUBRICANTS.COM/RBL

GEAR OILS

Meropa® Synthetic EP

Our premium performance, Synthetic PAO, Extreme Pressure gear lubricant is recommended for many types of enclosed industrial gearboxes, requiring EP protection, especially those running continuously at temperatures up to 225°F or exposed to very cold temperatures as low as -50°F. They are additionally recommended for those applicable gearboxes under severe service conditions, such as heavy loads or low speeds. These products also provide excellent protection for bearings operating under similar conditions and where EP is required.

Meropa Synthetic EP possesses very high shear stability even under heavily loaded, high speed conditions in industrial gears. The unique property of the synthetic base oil is a low traction coefficient, resulting in improved gear efficiency, energy savings, less friction, less wear and consequently providing lower operating temperatures compared to conventional mineral oil products. Meropa Synthetic EP can provide opportunity to extend drain intervals from the synthetic hydrocarbon base oil's outstanding oxidation and thermal stability. It is compatible with most mineral oil based industrial EP/R&O gear lubricants, as well as with most PAO based synthetic industrial EP/R&O gear lubricants. Meropa Synthetic EP is available in ISO 150, 220, 320, 460, and 680 viscosities.

Meropa Synthetic EP is approved for:

- Joy TO-SMEP (ISO 220), TO SHEP (ISO 320), TO-HD (ISO 460)

Meropa Synthetic EP meets the requirements of:

- AGMA 9005-E02
- DIN 51517-3 (CLP)
- U.S. Steel 224
- MAG Cincinnati, Cincinnati Machine P-35 (ISO 460), P-59 (ISO 320), P-74 (ISO 220), P-77 (ISO 150)

Meropa XL

Meropa XL is a synthetic blend industrial gear lubricant that provides superior protection and long lubricant life. Meropa XL provides excellent bearing and gear teeth protection and carries major OEM approvals, including Siemens MD (FLENDER) Rev 15. Most notably, Rev 15 differentiates and has higher requirements in the areas of micropitting, demulsibility, and seal compatibility standards.

To gain the Siemens MD approval, Meropa XL's formulation was improved to ensure micropitting protection of the gear teeth and bearing surfaces. It can help provide outstanding foam control and quick water separation, as well as compatibility with and protection of the gearbox's interior paint coating.

Meropa XL means worldwide reliability. It is the gear lubricant you can depend on for consistency and exceptional performance, whether you have a single facility or a multi-national operation. They are designed for a wide variety of industrial equipment especially in applications where overloading, wet conditions and high operating temperatures are encountered.

Meropa XL is available in ISO 150, 220, 320, and 460 viscosities. It is approved by Siemens MD (FLENDER) and meets the requirements of:

- AGMA 9005-E02
- Textron Power Transmissions (David Brown)
- DIN 51517-3
- Fives Cincinnati
- ISO 12925-1
- U.S. Steel 224

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.

Meropa® Ultra Gear Lubricant

Meropa Ultra Gear Lubricant is designed for many types of industrial bearings and gears where loads and shock loading are high. Meropa Ultra Gear Lubricants are formulated with a unique extreme pressure additive using an inorganic borate compound, which provides film strength up to four times that of typical sulfur phosphorus, mineral based gear oils. The combined base oil and unique additive package provide excellent anti-wear properties yielding exceptional gear protection even in the presence of small amounts of water. Less wear and friction typically reduce operating temperatures and can contribute to extending gear life and lubricant life. Meropa Ultra Gear Lubricant provides outstanding protection against oxidation, corrosion and rust.

Meropa Ultra Gear Lubricants are available in ISO 68, 150, 220, 320, 460, and 680 viscosities. They meet the requirements of:

- ANSI/AGMA 9005-E02 EP
- U.S. Steel 224 (ISO 68-460)

Meropa Ultra Gear Lubricants are additionally registered by NSF and are acceptable as lubricants where there is no possibility of food contact (H2), in and around food processing areas.



Meropa Synthetic WM ISO 320

Meropa Synthetic WM ISO 320 is formulated for heavily loaded enclosed gear systems for industrial applications. It is also suitable for use in Siemens (FLENDER) gearboxes used in wind turbine applications.

The extreme pressure additive package and synthetic base oil combine to maximize wear resistance, including micropitting, which is particularly important for remote, hard to get to, elevated gearboxes in wind mills. The formulation additionally provides both high and low temperature protection by maintaining viscosity parameters and is non-corrosive to steel, copper, bronze, babbitt and nickel cadmium. It has a high level of rust protection and oxidation stability rounding out its capability to handle severe application and potential for extended drain intervals.

Meropa Synthetic WM 320 is also recommended for a variety of industrial gears, including spur, bevel, helical, worm and industrial hypoid gear cases on mobile contractor type equipment. It is recommended for 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.

Meropa Synthetic WM 320 is approved by Moventas for use in wind turbine gearboxes. It meets the requirements of:

- ANSI/AGMA 9005-E02 EP
- Textron Power Transmissions (David Brown) 2E
- DIN 51517-3 CLP
- U.S. Steel 224

Meropa®

Meropa oils are high performance, multipurpose, extreme pressure gear lubricants designed for many types of industrial gear lubrication systems where there is high load or shock loading. Meropa's thermal stability helps maintain clean gear and bearing surfaces, minimizing deposits which interfere with effective lubrication. The high degree of oxidation stability limits in-service viscosity increases, which can lead to energy losses.

Good water separation and effective rust inhibitors protect surfaces against rust and corrosion both contributing to improved equipment life. Meropa oils are recommended for industrial enclosed gearing where an AGMA extreme pressure lubricant is specified. It is recommended for bath, splash, circulating, or spray mist lubrication as applicable to the appropriate viscosity grade. Meropa oils are available in viscosities from ISO 68 through 1500.

Meropa oils meet the requirements of:

- AGMA 9005-E02
- DIN 51517 Part 3
- Fives Cincinnati Gear Oil, P63, P76, P77, P74, P59, P35, P34
- ISO 12925-1, Type CKC
- ISO 12925-1, Type CKD
- MAG Cincinnati, Cincinnati Machine
- Textron Power Transmissions (David Brown) 2E
- U.S. Steel 224
- Meropa oils, (ISO 68 through 460) are suitable for use in Bijur oil application equipment

Meropa Aqua Gear EP

Meropa Aqua Gear EP is designed to emulsify with water and meets the performance requirements of Joy Mining Machinery specifications for enclosed gear sets used in longwall mining equipment.

Meropa Aqua Gear EP oils have high film strength and load carrying capacity. The gear surface and teeth are protected from wear, surface distress and premature failure. It provides maximum thermal and oxidation stability to help prevent degradation under severe operating conditions, contributing to long lubricant life.

Meropa Aqua Gear EP forms a stable emulsion with water and has cold weather reliability through the use of a pour point depressant.

Meropa Aqua Gear EP is ideal for use in Joy Mining Machinery that requires an emulsifiable, extreme pressure gear oil. It can also be used in gearboxes of other mining and construction equipment operating in wet environments. Meropa Aqua Gear EP is available in viscosity grades ISO 220, 320, and 460.

Meropa Aqua Gear EP oils meet the specifications of:

- Joy TO-MEP (ISO 220), TO-HEP (ISO 320) and TO-HD (ISO 460)

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.

Caltex Reliability — The RBL™ Program is our commitment of business support and reliability: Caltex's lubrication expertise combined with superior products and a tailored service program work together to help your business Run Better Longer.

chevronlubricants.com

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