

Chevron



marine lubricants

meropa[®] gear oils

protect your gearboxes — protect your operation



solutions for your journey

Gearboxes are critical to keeping your operation running.
If they fail, your productivity is compromised.

And yet, your gearboxes are constantly attacked by
severe operating conditions and damaging contaminants,
which can lead to downtime — and even complete failures.



meropa[®] gear oils

We developed the Meropa[®] family of gear oils to help you fight back against severe conditions. Meropa's special additives are designed to provide extreme pressure protection and anti-wear properties. And the global availability of Meropa products ensures consistent, reliable performance — wherever you operate in the world:

High Thermal Stability to maintain clean gear and bearing surfaces, minimize deposits that interfere with effective lubrication, and minimize the formation of oxidation by-products that can be corrosive to bearing materials. Minimizes sources that contribute to internally generated contamination.

Advanced Extreme Pressure Performance to help protect against shock or sustained severe loading conditions, reducing wear rates and optimizing bearing and gear service life.

High Oxidation Stability to optimize oil service life and maintain in-service viscosity grade longer to maximize energy efficiencies.

Foam Control to help protect gear teeth in small reservoir systems through use of a unique low-foam additive. Foam dissipates readily even under severe operating conditions.

Demulsibility to help protect against sludge formation and assure rapid water separation and removal, especially in circulating systems.

The unique combination of additives in Meropa have been shown to offer additional benefits:

- Severe load carrying capabilities
- Filtration properties
- Long equipment life
- Good seal compatibility
- Improved system cleanliness
- Long-term rust and corrosion protection



Meropa® is the gear lubricant to depend on for consistent, reliable performance, no matter where you choose to navigate.

Meropa® means worldwide reliability

When it's miles to the next port — anywhere in the world — the need to keep equipment running reliably is of paramount importance.

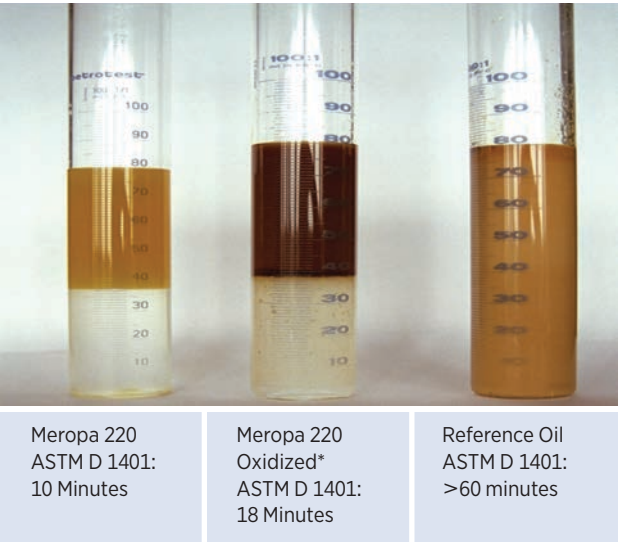
Being able to count on one brand of marine oils for your lubrication needs can have a direct effect on your bottom line through increased production and costs savings.

That's why there's Chevron Meropa — the gear lubricants you can depend on for consistency and exceptional performance, whatever waters you choose to navigate.

Meropa gear lubricants are specifically designed to meet the demanding requirements of today's marine equipment. In field tests, Meropa gear lubricants have been shown to provide low operating temperatures, low power consumption, low energy requirements, and low failure rates in severe operating environments.

With Meropa, you can benefit from long equipment life, and low maintenance and downtime — the keys to staying competitive in today's global economy.

Demulsibility performance



* Test procedure: ASTM D2893 Modified (312 hrs. @ 121°C)



Meets the requirements of today's equipment



Meropa® gear lubricants are premium quality, high-performance gear lubricants. They have been specially developed to meet the demanding load-carrying requirements of gear manufacturers, especially in applications where overloading, wet conditions and high operating temperatures are encountered.

Typical applications include:

- All heavy-duty enclosed gear drives containing spur gears, helical gears, and bevel gears, as well as spiral bevel gears, hypoid gears, and worm gears, including those operating at high speeds or very high loads.
- Chain drives, sprockets, plain and anti-friction bearings, guide ways and flexible couplings where service conditions require the use of either a mild EP or an EP-type gear lubricant.
- Meropa MG is designed to ensure optimal performance in Renk and Flender/Siemens, Reintjes and Brunvoll clutched gear boxes, extensively used in marine vessels. As such, Meropa MG gear oils carry approvals from those gearbox manufacturers, and also meet or exceed various industrial standards.

Proven reliability

In test after test, Meropa lubricants continue to prove themselves by meeting the demanding requirements of gear and equipment manufacturers.

Meets major OEM specifications

- **DIN** 51517/3 CLP (ISO 68, 100, 220, 320, 680)
- **US Steel** 224 (ISO 68, 100, 220, 320, 460, 680)
- **AGMA** 9005-E02-EP (ISO 68)
- **AGMA** 9005-E02-R&O (ISO 100, 220, 320, 460, 680)
- **Fives Cincinnati** P-63 (ISO 460), P-59 (ISO 320), P-63 (ISO 68), P-76 (ISO 100), P-74 (ISO 220), P-77 (ISO 150)
- **ISO** 12925-1 CKC/CKD (ISO 68, 100, 220, 320, 460, 680)



Meropa® gear lubricants are designed for the lubrication of a wide variety of load-carrying marine equipment.





Chevron's proprietary products and services help to reduce operational cost, maximize productivity and keep your fleet sailing.



On your team

Your Chevron Marine Account Manager will work with you to design an industry-leading lubrication program featuring Meropa® gear oils. As always, the Chevron team offers you the knowledge and expertise to make effective use of preventative maintenance, and help reduce downtime and operating costs.

Chevron customers enjoy success from their lubrication program because we give them more than just the right lubricant.

We understand that — in addition to quality lubricants and fuel — predictive measures and analysis are vital to the maintenance of equipment on board your vessels. And that easy and intuitive online ordering and tracking of products has great value for the smooth and seamless operation of your fleet.

Chevron offers a complete suite of services to provide stem-to-stern options to help improve the reliability and logistics of your operation:

FAST™ Service — a comprehensive equipment condition monitoring program which reports the condition of oil in service and plots the trends of important properties of the oil.

DOT.FAST® Service — a complete service including the Drip Oil Analyzer for onboard testing of used cylinder drain oil samples (drip oil) and regular laboratory analysis with expert advice from experienced engineers. Our DOT.FAST Drip Oil Analysis is recommended by the major slow-speed engine builders to better understand piston running conditions in the engine.

Lubrication Charts — each contracted vessel has a detailed lubrication chart, listing all onboard equipment, lubricants, and the suggested application based on manufacturers' recommendations, all available through a secure online portal.

OnePort™ — an online ordering system to check prices at different ports, place orders and track deliveries through the various stages of supply.

Vessel Optimization — Chevron has developed a vessel optimization support program — supported by our industry-experienced technical field staff and lubricants analysis experts — providing advice to reduce your total cost of operation, maximizing uptime and improving reliability.

Contact your account manager to find out how Chevron Marine Lubricants can optimize your operation.





www.chevronmarineproducts.com



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.

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