



Mobil SHC Gear Series

Next-generation supreme-performance gear lubricants



Engineered to deliver optimum equipment protection and oil life in the most extreme conditions.

Enhance your productivity with Mobil SHC Gear Series supreme-performance, fully synthetic industrial gear oils — next-generation technology providing excellent protection and oil life in some of the most extreme conditions. This enhanced industrial gear oil formulation features the latest Mobil SHC technology, which offers exceptional oxidation resistance and thermal properties, naturally high viscosity index, and outstanding low-temperature fluidity.

Helps drive productivity with energy efficiency up to 3.6 percent.

Mobil SHC Gear Series' high viscosity index and low traction coefficient combine to provide a significant reduction in energy consumption in many gear drives. Mobil SHC Gear Series exhibited energy savings of up to 3.6 percent versus conventional oils in statistically validated laboratory tests.* This is one more way Mobil SHC Gear Series can help contribute to an increase in your productivity.

Excellent wear protection and resistance to micropitting.

Mobil SHC Gear Series lubricants contain advanced proprietary additive technology designed to provide industrial gearboxes with excellent protection against conventional wear modes, such as scuffing, and a high level of resistance against micropitting fatigue. Additionally, compared with conventional gear oil chemistries, Mobil SHC Gear Series offers the potential for improved lubrication of gearbox rolling-element bearings. Mobil SHC Gear Series products offer excellent rust and corrosion protection, show no tendency to plug fine filters even when wet — and have excellent compatibility with ferrous and nonferrous metals even at elevated temperatures.

High-Performance Benefits

Excellent water-handling properties

Easily separates from water and will not plug filters, potentially improving filter life.

Outstanding seal compatibility

Meets or exceeds stringent Freudenberg seal testing requirements, potentially reducing seal leakage and avoiding related oil consumption. Approved by Siemens for use in Flender gearboxes.

Robust shear stability

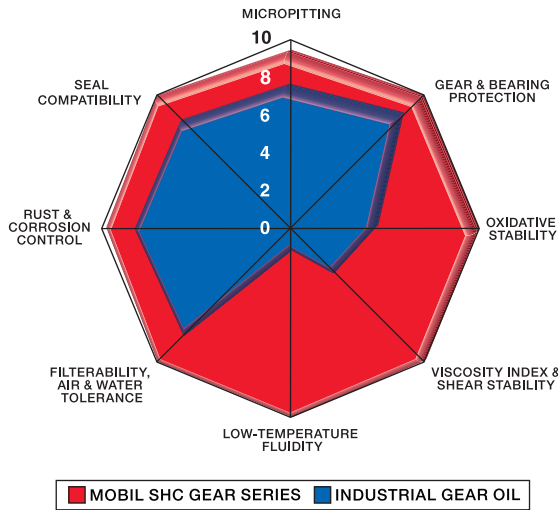
Shows excellent resistance to viscosity loss even under the high shear conditions found in severe industrial gearboxes and bearings, ensuring long lubricant life in service.

6x oxidation resistance

Extends oil life up to 6x versus standard mineral gear oil, especially at elevated operating temperatures — extending drain intervals and reducing lubricant costs.

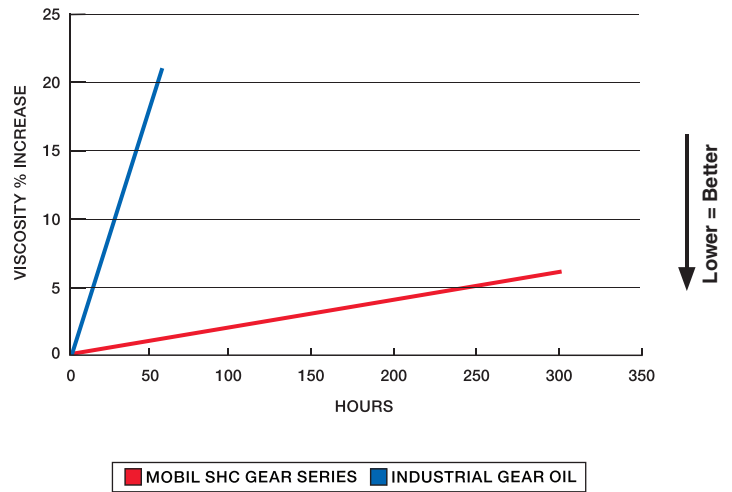
Mobil SHC Gear Series — Performance

Balanced Formulation



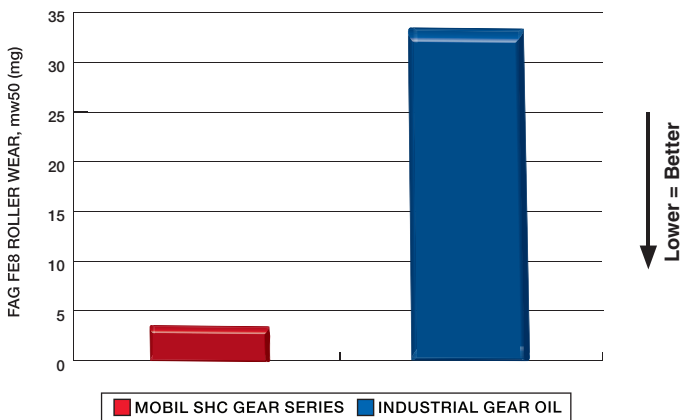
A technical survey of conventional industrial gear oils shows Mobil SHC Gear Series delivers significantly better performance in nearly every dimension.

Thermal and Oxidative Stability



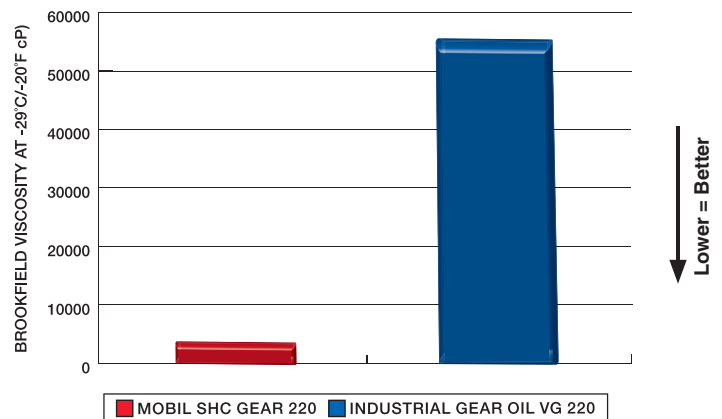
In an ASTM D 5704 mod., L-60-1 test, Mobil SHC Gear Series' viscosity rose only 6 percent during an extended-length 300-hour test compared with conventional industrial gear oil's 21 percent viscosity rise during a standard-length 50-hour test.

Bearing Wear Protection



In a standard FAG FE8 Stage 1 bearing test, Mobil SHC Gear Series protected bearings significantly better than conventional industrial gear oil.

Low-Temperature Fluidity



ASTM D 2983 testing of Brookfield Viscosity shows that Mobil SHC Gear 220 Series offers better low-temperature performance compared with conventional industrial gear oil, providing the opportunity for extended temperature range for start-up and operation.



*Energy efficiency relates solely to the fluid performance when compared with conventional reference oils of the same viscosity grade in gear applications. The technology used allows up to 3.6% efficiency compared with the reference when tested in a worm gearbox under controlled conditions. Efficiency improvements will vary based on operating conditions and application.

For more information on Mobil SHC Gear Series and other Mobil Industrial lubricants and services, please contact your local company representative, the Mobil technical help line at 1-800-662-4525, or visit www.mobilindustrial.com.