



Mobil SHC 600 Series

Next-generation optimum-performance circulating and gear oils



Reengineered and upgraded to help increase productivity.

From heavy loads to extreme temperature variations, industrial gearboxes operate under challenging conditions. Since the key to your plant's productivity is keeping critical bearings and gears turning, choosing the correct lubricant can help maximize production uptime and increase your bottom line. Advanced Mobil SHC 600 Series synthetic lubricants are optimized with a balanced formulation to meet the changing demands of your industrial machinery.

Delivers up to 3.6 percent energy efficiency.

Mobil SHC 600 Series lubricants have the potential to significantly reduce energy consumption in gearboxes and circulating systems — exhibiting energy savings of up to 3.6 percent versus conventional oils in statistically validated field and laboratory tests.* This energy efficiency is delivered without sacrificing the high level of proven performance and protection for which Mobil SHC products are renowned.

Up to 6 times longer oil life in a wide variety of applications.

Mobil SHC 600 Series lubricants provide excellent performance in extreme service applications at high and low temperatures — well beyond the capabilities of standard mineral oils. Already recommended for use in over 1,800 applications by more than 500 major equipment builders, the latest generation of Mobil SHC 600 Series lubricants leverages this success and continues to be recognized by major OEMs for delivering enhancements in key areas while maintaining its excellent and balanced performance overall.

High-Performance Benefits

Reduced energy consumption

Low traction (internal friction) and high-viscosity index combine to reduce power consumption up to 3.6% compared with mineral oils in circulating and gearbox applications. This helps reduce energy costs to lower your cost of operation.

Long oil life

Unique synthetic base oil technology and a proprietary additive system offer an application life as much as 6 times longer than mineral oils, yielding reduced maintenance, oil purchases, and waste, and increased productivity.

Balanced performance

Exceptional resistance to rust and corrosion, excellent demulsibility, and superb foam control and air-release properties.

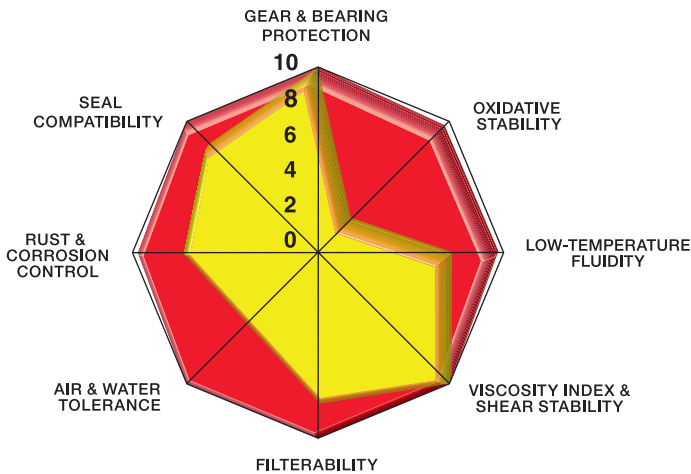
Material compatibility

Compatible with the same seal and other construction materials (including yellow metals) used in equipment normally lubricated with mineral oils, which helps minimize equipment issues during the conversion process.

Mobil SHC 600 Series — Performance

Balanced Formulation

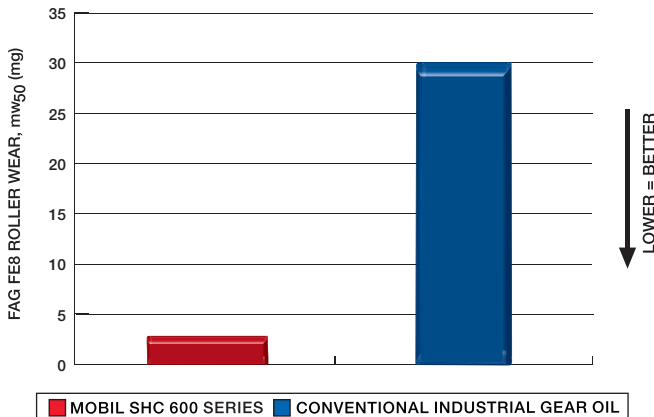
STANDARD FAG FE8 STAGE 1 BEARING TEST
(DIN 51819-3 CLP, D7.5/80-80)



■ MOBIL SHC 600 SERIES ■ COMPETITIVE SYNTHETIC GEAR OIL

Some competitive synthetic gear oils are formulated specifically to deliver attractive results in one area but often sacrifice performance in many other areas. Mobil SHC 600 Series lubricants have a balanced formulation for maximizing overall productivity potential.

Bearing Wear Protection

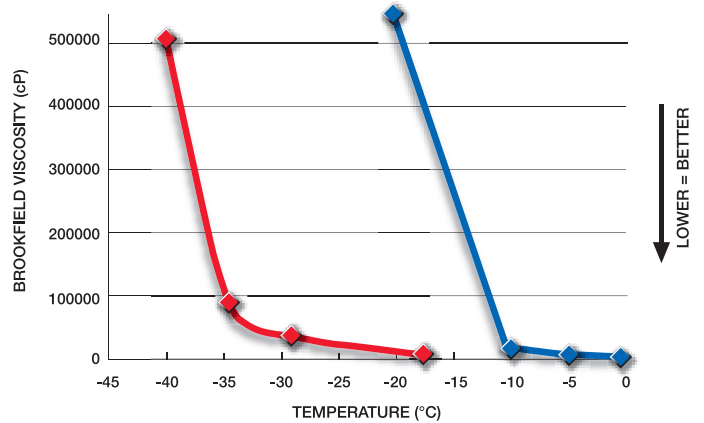


■ MOBIL SHC 600 SERIES ■ CONVENTIONAL INDUSTRIAL GEAR OIL

In FAG FE8 bearing testing, Mobil SHC 600 Series lubricants protect bearings significantly better than conventional oils.

Low-Temperature Fluidity

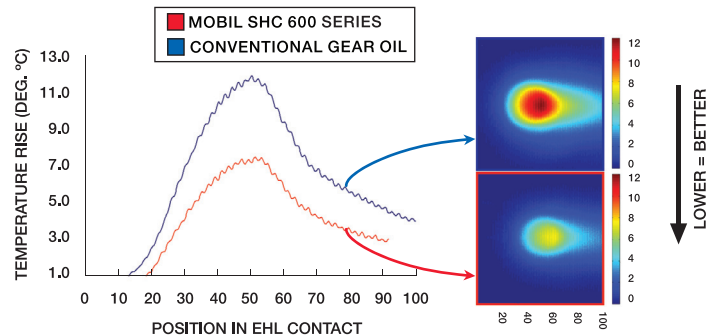
ISO VG 220 LOW-TEMPERATURE FLUIDITY
ASTM D 2983



■ MOBIL SHC 600 SERIES ■ CONVENTIONAL INDUSTRIAL GEAR OIL

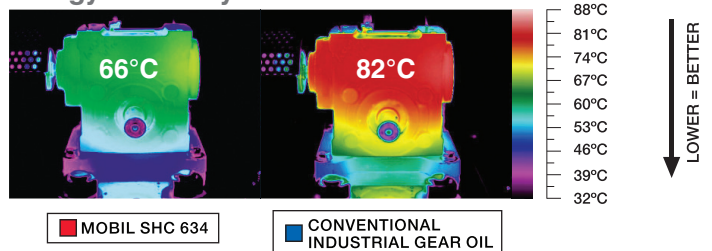
ASTM D 2983 testing of Brookfield Viscosity shows that Mobil SHC 600 Series offers better low-temperature performance compared with conventional oils, providing an extended temperature range for start-up and operation.

Low Traction



Tribological testing that recreates lubrication conditions found in gears and bearings illustrates the traction (internal fluid friction) benefits of Mobil SHC 600 Series over conventional lubricants. This shows, on a microscopic scale, the fundamental science that underpins the energy efficiency and lower operating temperature benefits delivered by Mobil SHC 600 Series lubricants.

Energy Efficiency



■ MOBIL SHC 634 ■ CONVENTIONAL INDUSTRIAL GEAR OIL

These thermographic images from controlled worm-gear testing provide visible indication of the energy efficiency benefit for Mobil SHC 600 Series versus conventional oil, with Mobil SHC 600 Series running approximately 15°C (30°F) cooler. Lower operating temperatures lead to increased equipment life, improved efficiency, and reduced maintenance costs.



*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 circulating and gear applications under controlled conditions. Efficiency improvements will vary based on operating conditions and applications.

For more information on Mobil SHC 600 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.