



Mobil SHC

Mobil SHC 600 Series Supreme-performance gear oils



Reduce expenses and downtime. For improved productivity and profitability.

Industrial gearboxes operate under very challenging conditions — from heavy loads to extreme temperature variations. Since the key to your plant's productivity is keeping critical gearboxes turning, choosing the correct lubricant can minimize these conditions, maximize production uptime, and increase your plant's bottom line. Rely on Mobil SHC 600 Series to help you do just that. Compared to mineral oils, Mobil SHC 600, part of the premium Mobil SHC Series of scientifically engineered synthetic performance oils, is specifically formulated to provide better equipment protection, extend oil life, and enable problem-free operation.

Engineered for overall performance; works up to 6 times longer than mineral oils.

Mobil SHC 600 Series gear oil is formulated with synthesized hydrocarbon-based fluids. The combination of a naturally high viscosity index and a unique proprietary additive system enables Mobil SHC 600 Series to provide outstanding performance in extreme service applications at high and low temperatures — well beyond the capabilities of mineral oils.

Recommended by equipment builders worldwide.

Since 1914, Mobil has worked with the world's leading equipment builders to develop and deliver lubricants that meet the most demanding requirements. Mobil SHC 600 Series is recommended for use in over 1,800 applications by more than 500 major equipment builders, who endorse its performance in areas such as reducing operating temperatures, reducing wear, the ability to perform across a wide temperature range, and extending intervals between oil changes.

High-Performance Benefits

Extended oil life

Mobil SHC 600 Series lasts up to 6 times longer than mineral oils due to advanced formulation technology that provides outstanding stability and maintains viscosity over a wide temperature range. This helps reduce your waste stream and keep production going.

Extended equipment life

Mobil SHC 600 Series provides protection against rust, corrosion, and wear, and provides stability in extreme temperature conditions to help extend your equipment and component life. This can eliminate unexpected equipment failures and erratic operation and help improve production.

Reduced energy consumption

The low traction (or internal friction) and high-viscosity index of Mobil SHC 600 Series products combine to reduce power consumption up to 8 percent compared with mineral oils in some gearbox applications. This helps control energy costs to lower your cost to do business.

Mobil SHC 600 Series — Performance

Mobil SHC 632 provides US\$115,536 cost savings in coal pulverizers

Valley Station
Basin Electric Power Cooperative
USA

Benefit

Mobil SHC 632 synthetic lubricant saves US\$115,536 per year with improved energy efficiency, extended oil-drain intervals, and reduced wear.

Situation

The efficient operation of power-generation equipment is dependent on the quality and accuracy of regular maintenance practices. This means putting the right products in the right applications every time. Since its installation in 18 coal pulverizer gearboxes more than a decade ago, Mobil SHC 632 has proven its value year after year.

Impact

While the energy industry becomes more competitive each day, Electric Power Cooperative's Valley Station is busy taking proactive measures to stay on top. With Mobil SHC 632 synthetic oil in 18 CE/Alstom coal pulverizer gearboxes, Valley Station has virtually eliminated its pulverizer gear wear concerns while enjoying a two percent annual reduction in the energy required to operate them. As such, Valley Station has saved over US\$1,386,000 since installing Mobil SHC 632 in their pulverizer gearboxes nearly 12 years ago.

Mobil SHC 630 reduces gearbox maintenance costs by over US\$18,000

Plum Creek Timber Company
Specialty Medium Density Fiberboard Facility
USA

Benefit

The use of Mobil SHC 630 and routine oil analysis eliminated US\$18,864 in annual labor and replacement costs at Plum Creek Timber's facility by eliminating lubricant-related gearbox failures and extending oil-drain intervals.

Situation

Plum Creek Timber's facility changed gear oil every 6 months in their 800 gearboxes throughout the plant. Although quality oil and proper maintenance practices were used, gearbox failures still occurred at an average rate of 2 per year.

Impact

Mobil lubrication engineers recommended Mobil SHC 630 to maximize protection of the most critical gearboxes and a routine oil analysis with Mobil to monitor oil and operating conditions. Since implementation over 4 years ago, Plum Creek Timber has experienced no gearbox failures due to lubrication. Secondly, the Mobil SHC 630 gear oil is changed only every 3 years, a 600 percent increase in oil-drain interval. This saves US\$8,000 in gearbox replacement costs and US\$10,864 in reduced labor costs annually.

Equipment Builder Recognition*

Mobil SHC 600 Series is approved by the following gear builders:

A. Friedrich Flender AG
Browning Manufacturing
David Brown/Textron
Hanshin Doryoku-Kikai Co., Ltd.
Hub City, Inc.
K.K. MAKISHINKO
Leroy Somer
Moventas
Nord Gear Corporation
Nuttall Gear LLC
Philadelphia Gear Corporation
Rexnord Industries, LLC
Rockwell International
Seisa Gear, Ltd.
SEW - Eurodrive GmbH & Co.
Siemens Corporation
Sumitomo Heavy Industries, Ltd.
The Falk Corporation (Rexnord-Falk)
The Marley Cooling Tower Company
Winsmith/Peerless-Winsmith

*not a complete listing

Please refer to the equipment builder manual for final lubrication recommendation.

For more information on Mobil SHC 600 Series and other Mobil industrial lubricants and services, please contact your local company representative or visit www.mobilindustrial.com.