



Mobil SHC Cibus™ Series High-performance synthetic lubricants for food machinery



At a Glance

- Potential energy savings up to 3.6% in gear applications[†]
- Potential energy savings up to 3.5% in hydraulic applications[‡]
- Protection against wear, rust and corrosion to help limit maintenance costs
- Optimal lubrication even at extreme low and high temperatures
- Suitable above and below processing line to help reduce inventory and administration costs

Food quality assurance + powerful performance

Mobil SHC Cibus™ Series NSF H1-registered food machinery lubricants are designed to help maximize productivity and minimize costs, providing exceptional value for your operation. This comprehensive suite of colorless oils is formulated to provide the optimum combination of food quality assurance and excellent wear protection for critical equipment, while helping to limit maintenance costs.

Wide range of applications

Multipurpose Mobil SHC Cibus Series oils are suitable for most moderate- and severe-duty operating conditions. They cover the full spectrum of applications for hydraulic, gear, bearing and circulation systems in a variety of industries, including:

- Food and beverage processing and packaging
- Animal feed manufacturing
- Pharmaceuticals

Reduced energy consumption

Through outstanding traction properties, Mobil SHC Cibus Series lubricants have demonstrated the potential to provide **significant energy savings — 3.6% in gear applications[†] and 3.5% in hydraulic applications[‡]** — versus conventional oils in statistically validated field and laboratory tests. **This extraordinary combination of potential savings within a comprehensive product line offers you best-in-class value.**

Registered for use in food processing

Manufactured in ISO 22000-certified facilities that also meet the requirements of ISO 21469, Mobil SHC Cibus Series oils are suitable under halal and kosher dietary laws and are formulated to be gluten-, nut- and wheat-free. They are blended, filled and quality tested in equipment that minimizes the risk of cross-contamination. Trained representatives can help support transition to Mobil SHC Cibus Series lubricants within your HACCP lubrication plan.

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

[‡]Energy efficiency relates solely to the fluid performance when compared to Mobil DTE™ 25. The technology used provides up to 3.5% efficiency compared to the reference when tested in an Eaton 25VMQ vane pump under controlled conditions. Efficiency improvements will vary based on operating conditions and applications.



Advancing Productivity™



Minimize safety risks

By providing long drain intervals, Mobil SHC Cibus™ oils can help limit potentially hazardous interaction between employees and equipment.



Maximize environmental care

Through potentially helping to reduce energy consumption, Mobil SHC Cibus oils can help minimize the environmental impact of your operation.



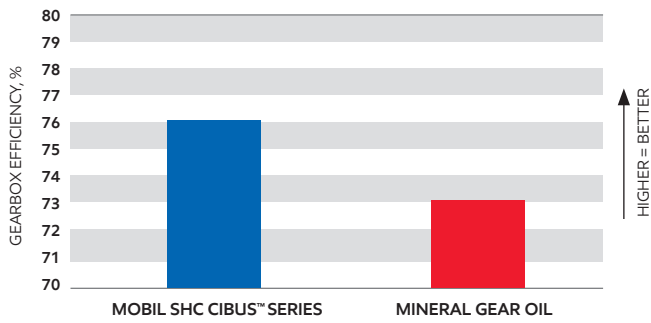
Maximize productivity

Long drain intervals and reliable equipment protection can help enhance uptime and hours of operation, which can help you boost production.

*Visit mobilindustrial.com to learn how certain Mobil-branded lubricants may provide benefits to help minimize environmental impact. Actual benefits will depend upon product selected, operating conditions and applications.

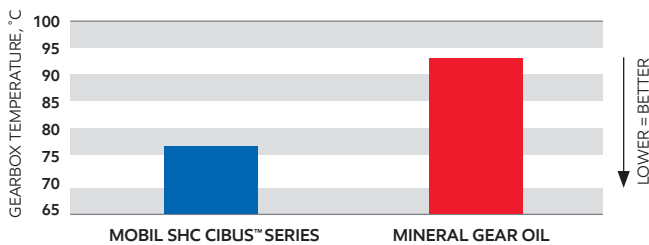
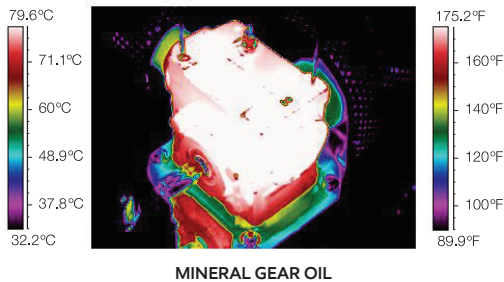
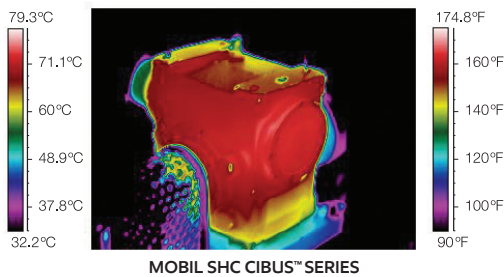
Mobil SHC Cibus™ Series — proof of performance

Potential energy efficiency in gear applications



Mobil SHC Cibus™ Series oils show up to 3.6% overall efficiency improvement compared with mineral gear oils in proprietary worm gear bench tests,[†] helping reduce energy consumption and maximize productivity.

Operating temperature

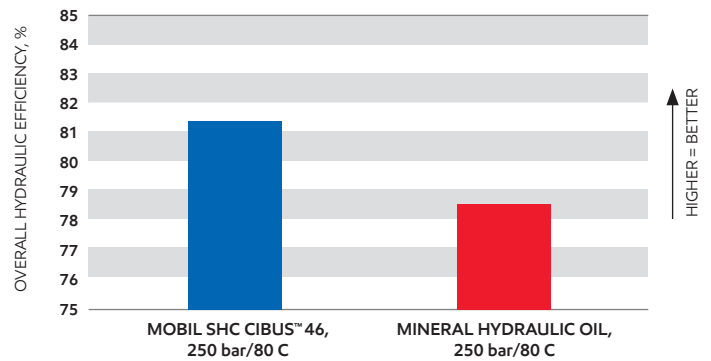


Mobil SHC Cibus Series lubricants demonstrate reduced operating temperatures in controlled proprietary worm gear drive bench tests[‡] compared with mineral gear oils, potentially leading to longer oil life, increased lubrication and reduced energy costs.

[‡]Results determined on gearbox at 100% rated load, 1800 rpm, and controlled room temperature, comparing ISO VG 460 oils.

*Meets requirements of DIN 51506 VDL.

Potential energy efficiency in hydraulic applications

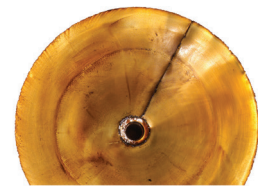


In tests using a vane pump under controlled conditions, Mobil SHC Cibus Series oils demonstrate overall efficiency improvement[†] up to 3.5% compared to a mineral oil-based reference fluid.

Oxidation stability and oil life



MOBIL SHC CIBUS™ 46



ISO VG 46 MINERAL HYDRAULIC OIL

Mobil SHC Cibus Series lubricants demonstrate long oil life and enhanced system cleanliness versus standard circulating oils in the proprietary Mobil Hydraulic Fluid Durability (MHFD) test rig, when comparing ISO VG 46 oils.

Industry specifications

Mobil SHC Cibus™ Series	Application	Specification
32, 46, 68, 100	Hydraulic	DIN 51524 HLP
32, 46, 68, 100	Compressor	DIN 51506 VDL*
100, 150, 220, 320, 460	Gear	DIN 51517-3 CLP

[†]The energy efficiency design is a trademark of Exxon Mobil Corporation. Energy efficiency relates solely to the fluid performance when compared to conventional (mineral) reference oils of the same viscosity grade in circulating and gear applications. The technology used allows up to 3.6% efficiency compared to the reference when tested in a worm gearbox under controlled conditions. Efficiency improvements will vary based on operating conditions and applications.

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Health and Safety. Based on available information, this product is not expected to produce adverse effects on health when used for the applications referred to above and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDSs are available upon request through your sales contact office or via the Internet. This product should not be used for purposes other than the applications referred to above. If disposing of used product, take care to protect the environment.



For more information on Mobil SHC Cibus Series and other Mobil-branded industrial lubricants and services, contact your ExxonMobil sales representative or visit our website at mobilindustrial.com.