Mobil SHC™ SHC™

Performance by ExxonMobil

Mobil SHC™ 600 Series
Synthetic circulating and gear oils

Energy lives here™

Your gearboxes operate under extreme conditions. That's why we formulated Mobil SHC™ 600 Series oils to deliver:

- **Equipment protection at high and low temperatures**
- **Long oil life, helping to limit maintenance and replacement costs**
- **Trouble-free operation and long filter life**

Key benefits

Help achieve peak productivity by optimizing equipment uptime.

Minimize maintenance through exceptional protection, even in extreme conditions.

Help limit power consumption, which can minimize your cost of operation.

Up to 3.6% reduced energy consumption versus conventional oils in field and laboratory tests*

3.6%

500+

major equipment builders recommend these lubricants in 1,800+ applications.

Typical properties†

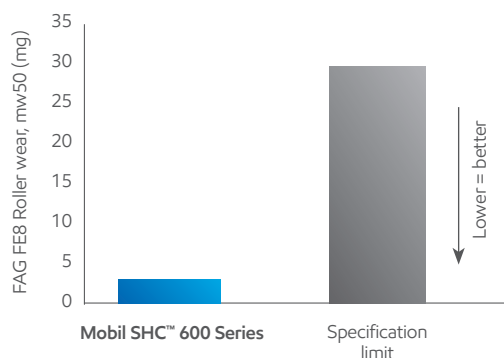| Mobil SHC™ 600 Series	624	625	626	627	629	630	632	634	636	639
Viscosity, ASTM D445										
cSt @ 40°C	32	46	68	100	150	220	320	460	680	1000
cSt @ 100°C	6.3	8.5	11.6	15.3	21.1	28.5	38.5	50.7	69.0	98.8
Viscosity Index, ASTM D2270	148	161	165	162	166	169	172	174	181	184
Pour Point, °C, ASTM D5950	–57	–54	–51	–45	–42	–42	–42	–39	–39	–33
Flash Point, °C, ASTM D92	236	225	225	235	220	220	225	228	225	222

*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 percent 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.

†Typical properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit exxonmobil.com. ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Mobil, or ExxonMobil. Nothing in this document is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with the local ExxonMobil-affiliate entities.

Mobil SHC™ 600 Series

Bearing wear protection

In FAG FE8 bearing testing, Mobil SHC™ 600 Series lubricants protect bearings in severe operating conditions better than industry specification limits.
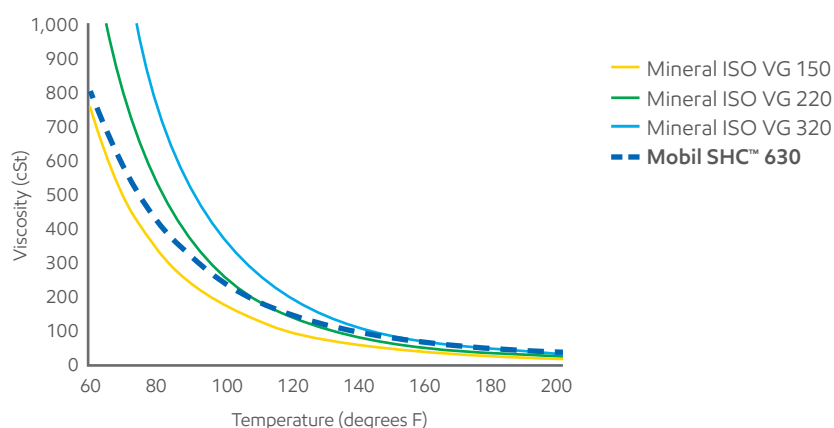

Product consolidation

Mobil SHC 600 Series oils provide opportunities for product consolidation. In some instances, Mobil SHC™ 630 oil can replace a mineral ISO VG 150, 220 and 320, reducing lubricant route complexity and inventory.

At low temperatures, Mobil SHC 630 (a synthetic ISO VG 220 oil) has similar viscosity to an ISO VG 150 mineral oil, allowing for enhanced low-temperature flow and startup.

At high temperatures, Mobil SHC 630 has the viscosity of an ISO VG 320 oil, allowing for critical component protection.
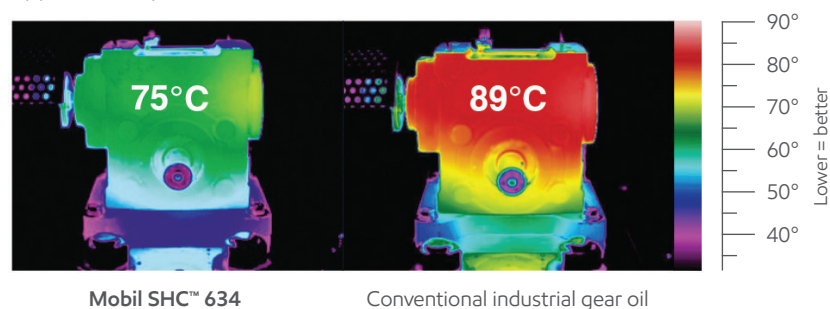
Viscosity-temperature plot

- Mineral ISO VG 150
- Mineral ISO VG 220
- Mineral ISO VG 320
- **Mobil SHC™ 630**

14°C

Mobil SHC™ 600 Series lubricants run up to 14°C cooler than conventional oil.

Energy efficiency

These thermographic images show how Mobil SHC 600 Series lubricants run approximately 14°C (25°F) cooler than conventional oil.*

Mobil SHC™ 634   Conventional industrial gear oil

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