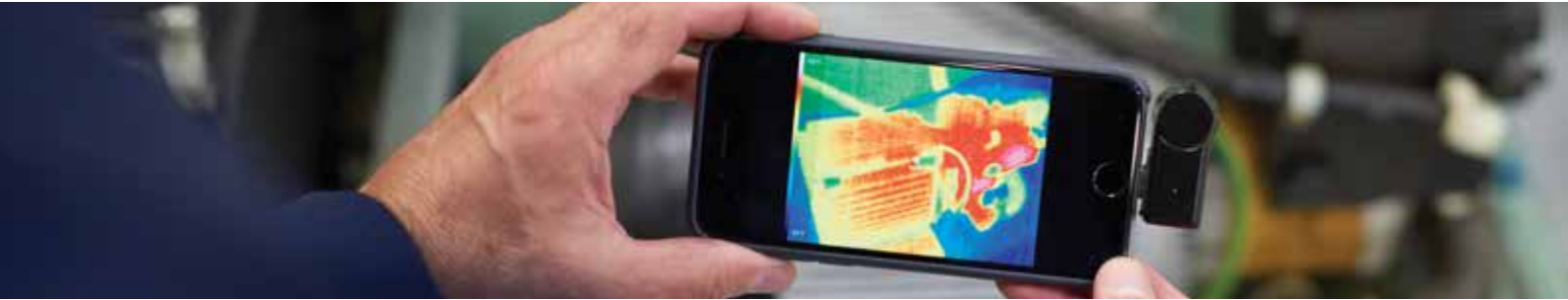


Mobil SHC™ Elite Series

Enhanced synthetic gear and circulating oils for high-temperature applications



Energy lives here*

Key benefits



Extra-long oil life can help minimize total lubrication costs



Extreme-temperature performance helps enhance reliability



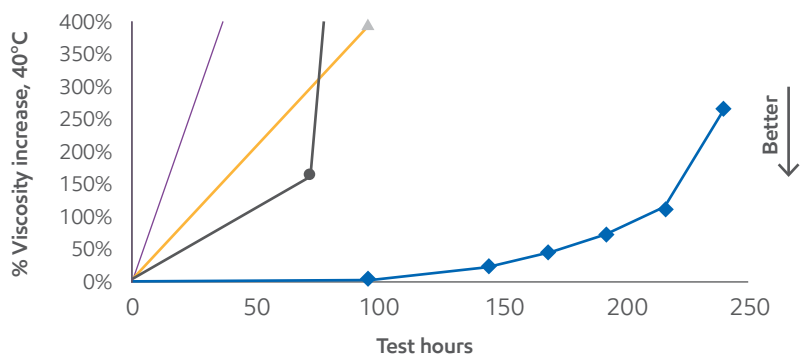
Up to 3.6% energy efficiency benefit* versus mineral oil can help lower energy costs

Mobil SHC™ Elite Series oils:

- Maintain outstanding performance in extreme temperatures – continuous service up to 130°C
- Protect equipment even during intermittent temperature spikes up to 150°C
- Perform up to twice as long as Mobil SHC™ 600 synthetic oils; up to 12 times as long as mineral oils
- Are especially useful for critical equipment difficult to access or take offline

Long lubricant life

In the ExxonMobil proprietary Lube Oxidation Station (LOS) test, Mobil SHC Elite demonstrates extended-life capability far exceeding competitive oils and Mobil SHC 600 oil. The LOS evaluates internal high-temperature oxidation by measuring viscosity vs. time as the oil oxidizes at 170°C in the presence of an iron catalyst. Slower viscosity and acid number increase provide a wider safety margin in extended service.



Up to
12x
the oil life of mineral-based oils

Recommended applications

- Bearing, circulating and gear applications
- Applications in which extended oil drains are preferred
- High-temperature equipment in industries where severe conditions are common, such as energy, metals, pulp and paper, and general manufacturing

* Energy efficiency relates solely to the performance of Mobil SHC™ Elite when compared to conventional (mineral) reference oils of the same viscosity grade in gear applications. The technology used allows up to 3.6 percent efficiency compared to the reference when tested in a worm gearbox under controlled conditions. Efficiency improvements will vary based on operating conditions and application.

Mobil SHC™ Elite Series

In multiple bench and rig tests, Mobil SHC™ Elite Series oils demonstrated exceptional oxidation resistance and deposit control. These results prove their exceptional performance at high temperatures, long-lasting protection and stable degradation compared to other synthetic oils tested.

FAG FE8 deposit test: 130°C

In this standard FE8 roller wear test, temperature is ramped up to 130°C and deposits are compared, along with oil oxidation thickening (viscosity and TAN). The results? Even after running 2x the test length, Mobil SHC™ Elite 220 oil showed deposits comparable to Mobil SHC™ 600 oil. And it kept parts significantly cleaner than competitive synthetic oils A and B. (Figure 1)

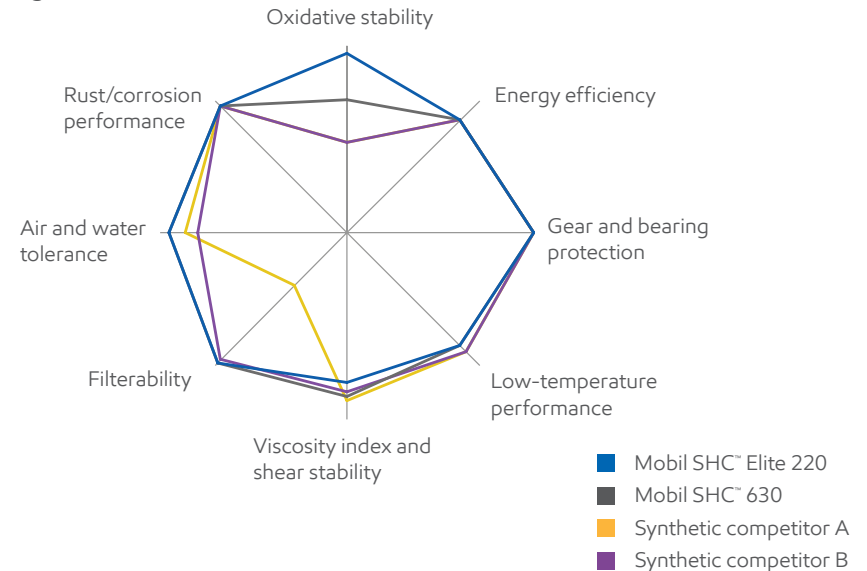
Figure 1



Performance

In laboratory and field testing, Mobil SHC Elite Series oils demonstrate exceptional oxidative stability while maintaining balanced performance in all other parameters compared to competitive synthetic oils. (Figure 2)

Figure 2



Performance claims		ISO 150	ISO 220	ISO 320
AGMA	9005-E02-EP	●	●	●
DIN	51517-2	●	●	●
DIN	51517-3	●	●	●
ISO	ISO-L-CKD	●	●	●
Siemens AG	Flender gear units, T 7300	●	●	●

Mobil SHC Elite Series oils are designed to stand up to some of the harshest operating conditions in your most critical equipment, helping to enhance operational reliability. Contact us for more information and a sample to assess for yourself.

Industrial Lubricants



Advancing Productivity™

Safety

The exceptionally long oil life of Mobil SHC™ Elite Series oils helps minimize potentially hazardous interaction between employees and equipment, which can enhance worker safety.

Environmental Care*

Long oil life and enhanced equipment life help minimize disposal of used oil, product packaging and worn-out equipment, which can help limit environmental impact.

Productivity

Long drain intervals and enhanced equipment protection at extreme temperatures can help maximize equipment uptime and hours of operation, which can help boost operational production.

*Visit mobil.com/industrial 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.