

# 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\*



# 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  |

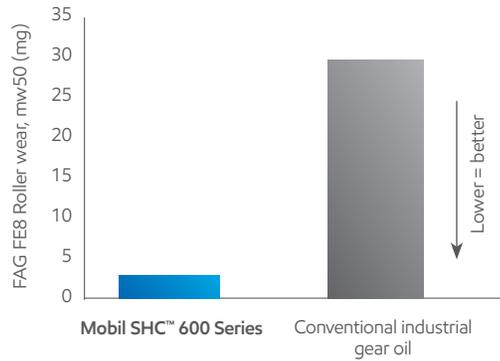
\*Energy efficiency relates solely to the fluid performance when compared with conventional reference oils of the same viscosity grade in gear applications. The technology used allows up to 3.6 percent efficiency compared with the reference when tested in circulating and gear applications under controlled 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](http://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 significantly better than conventional oils.



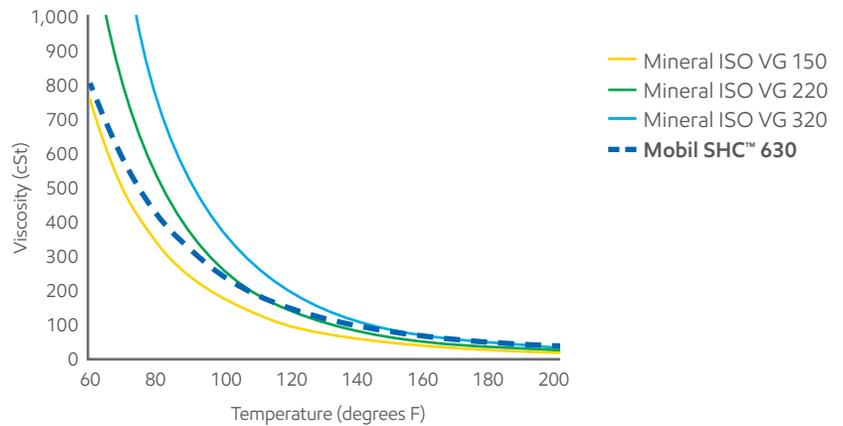
## Product consolidation

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

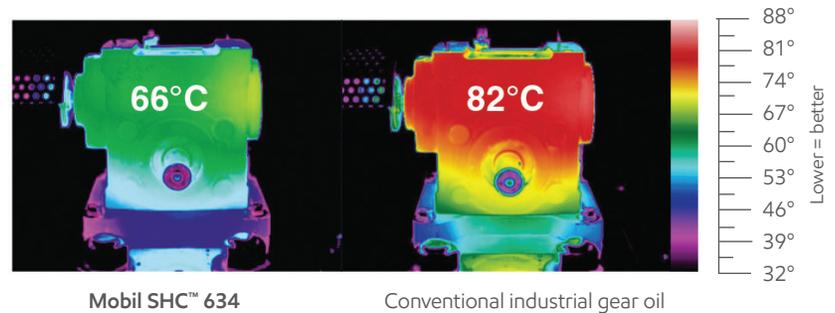


# 20%

Mobil SHC™ 600 Series lubricants run 20% cooler than conventional oil

## Energy efficiency

These thermographic images show how Mobil SHC 600 Series lubricants run approximately 15°C (30°F) cooler than conventional oil.\*



## Industrial Lubricants



**Advancing Productivity™**

## Safety

Minimized maintenance and long service intervals help you mitigate potential employee risk arising from direct contact with equipment.

## Environmental Care†

These lubricants help control your energy consumption, waste oil generation and maintenance-related waste.

## Productivity

By helping you achieve trouble-free equipment operation, Mobil SHC™ 600 lubricants can help you achieve new heights of operational productivity.

\*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 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.

†Visit [mobilindustrial.com](http://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.

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