

# Reciprocating air compressors

**Challenge:** **Reciprocating air compressor reliability.** A stable and reliable air supply is essential for pneumatic plant control devices and, directly, for stable plant operations. Reciprocating compressor crankcase and discharge air temperatures can exceed 100°C, which often leads to deposits and reduced compressor efficiency, as well as potential safety hazards.

**Solution:** **Protect your reciprocating air compressors with synthetic lubricants** designed to minimize the oil degradation that produces harmful deposits and requires frequent oil changes.

Compared to conventional lubricants, Mobil Rarus™ 800 Series oils, Mobil Glygoyle™ ISO and Numbered Series oils, and Mobil SHC™ 600 Series lubricants can offer:



### Safety

- Reduced maintenance personnel exposure to equipment
- Reduced chance of recompression and potential compressor fire



### Environmental Care

- Longer oil life and less used oil disposal



### Productivity

- Fewer pneumatic device malfunctions and repairs
- Reduced oil service maintenance costs and potential repair costs
- Potential plant uptime gains

### Industries

- Cement/Off-highway
- General manufacturing
- Marine
- Pulp and paper
- Petrochemical and chemical plants
- Power generating stations
- Refineries

### Key applications

- Compressor crankcase
- Crosshead and slide (older units)
- Cylinders and valves



\*Visit [mobil.com/shc](http://mobil.com/shc) 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.

Industrial  
Lubricants



# Reciprocating air compressors

## Products

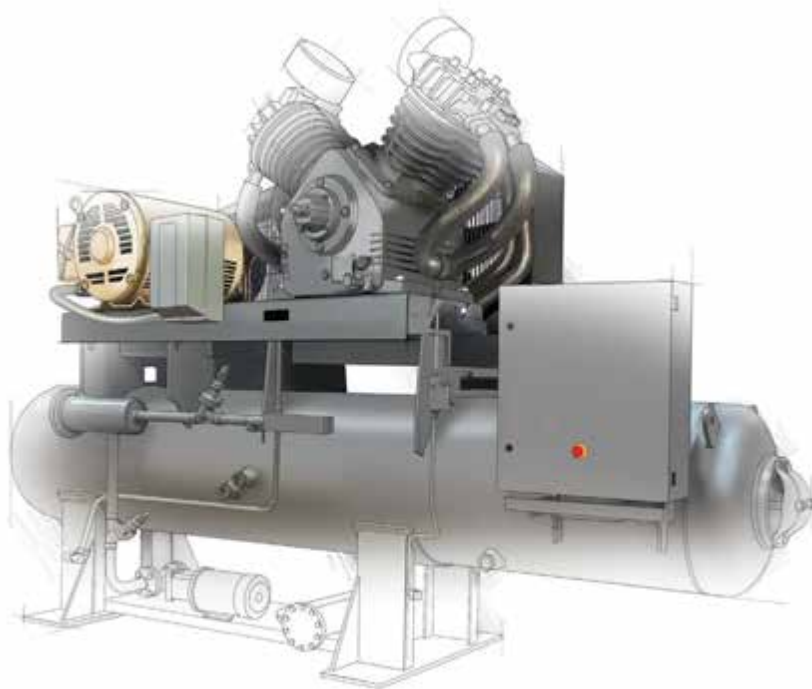
- Mobil SHC™ Rarus Series oils
- Mobil Rarus™ 800 Series oils (di-ester based)
- Mobil Glygoyle™ ISO and Numbered Series oils (PAG based)
- Mobil SHC™ 600 Series oils\* (PAO based)

## Key equipment builder approvals

Mobil SHC™ lubricants are endorsed by leading reciprocating air compressor builders, including:

- Shenzhen Jucai Industrial Company Ltd.

Visit [mobil.com/industrial](http://mobil.com/industrial) to search by equipment builder name for specific recommendations.



\*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 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.

Note: Productivity Pointers are provided for the use of ExxonMobil and our authorized distributors. Schematics and product series recommendations are intended as a general guide. Please visit [mobil.com/industrial](http://mobil.com/industrial) for specific builder equipment recommendations.

© 2017 ExxonMobil. All trademarks used herein are trademarks or registered trademarks of Exxon Mobil Corporation or one of its subsidiaries.

[mobil.com/shc](http://mobil.com/shc)