

Mobil SHC Rarus™ Series

Next-generation, synthetic air compressor oils



Energy lives here™

Product features

Mobil SHC Rarus™ 32, Mobil SHC Rarus™ 46 and Mobil SHC Rarus™ 68 next-generation synthetic compressor oils have been formulated for use with rotary screw and vane air compressors and turbochargers. Mobil SHC Rarus™ Series oils provide:

- Outstanding thermal and oxidation stability
- Varnish and sludge control
- A wide operating temperature range
- Exceptional resistance to rust, corrosion and oxidation
- Excellent water demulsibility

Potential benefits

Mobil SHC Rarus Series compressor oils can help:

- 1** Provide up to 24,000 hours of lubricant life.*
- 2** Offer outstanding protection, even under extreme service conditions
- 3** Minimise costs and delays of air compressor maintenance
- 4** Support long equipment life due to wear, rust and corrosion protection

Demonstrated capability to last up to

24,000

hours in a compressor field trial.*

Extended oil life

Mobil SHC Rarus Series oils offer up to three times the life of other synthetic compressor oils†, which can help extend drain intervals, reduce maintenance downtime and cut waste oil disposal costs

In a proprietary test using a compressor at 130°C, we compared performance of Mobil SHC Rarus Series oils to that of five leading compressor oils. Mobil SHC Rarus Series oils demonstrated double and even triple the oil life of the other oils tested.

Applications	
Rotary screw compressors	✓
Vane air compressors	✓
Compressors operating up to 200°C	✓

Not suitable for air compressors used in breathing air applications.

*Result relates solely to fluid performance in one rotary screw compressor. Performance will vary based on operating conditions and application.

†In a proprietary test using a compressor at 130°C, ExxonMobil compared performance of Mobil SHC Rarus Series oils with that of five leading compressor oils. Mobil SHC Rarus demonstrated up to triple the oil life of the other oils tested.

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High-temperature operation

Mobil SHC Rarus™ Series oils are primarily for rotary screw and vane air compressors and compressors with a history of excess oil degradation, poor valve performance or deposit formation. It is particularly effective for continuous high temperature operation with discharge temperatures up to 200°C.



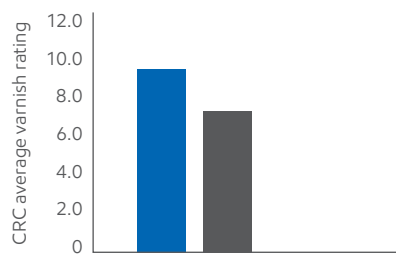
Leading compressor oils



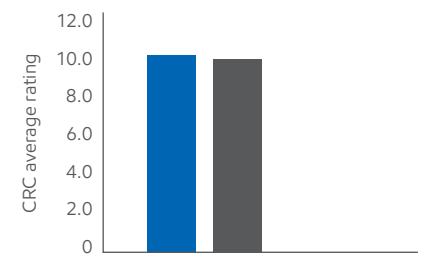
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Varnish and sludge control

In proprietary compressor rig testing, Mobil SHC Rarus Series oils demonstrate outstanding varnish and sludge control, which can help to provide cleanliness and enhanced compressor oil life.



■ Mobil SHC Rarus Series
■ Leading compressor oils



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Repeatability of compressor oil life is +/- 15%

Step-out compressor oil life and varnish ratings when compared to competitor

Typical properties*

Mobil SHC Rarus Series	32	46	68
ISO Viscosity Grade	32	46	68
Viscosity, ASTM D 445			
cSt @ 40°C	30.6	44.1	65.3
cSt @ 100°C	5.6	7.1	9.7
Viscosity Index, ASTM D 2270, min	123	122	129
Color	Orange liquid	Orange liquid	Orange liquid
Copper Strip Corrosion, ASTM D130, 24 h @ 100°C	1B	1B	1B
Rust Characteristics Proc B, ASTM D 665	Pass	Pass	Pass
Pour Point, ASTM D 97, °C, max	-42	-45	-39
Flash Point, °C, ASTM D 93	204	197	192
Specific Gravity 15°C/15°C, ASTM D 1298	0.8779	0.8676	0.865

*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.