



Mobil SHC™ Rarus Series

Supreme Performance Air Compressor Lubricant

Product Description

Mobil SHC™ Rarus Series oils are supreme performance air compressor lubricants primarily intended for the lubrication of severe duty rotary screw and vane air compressors. They are particularly suited for severe service where synthetic oil-based products are not meeting expectations such as in severe applications subjected to high final compression temperatures or where extended oil drain intervals are desired. Mobil SHC Rarus Series formulation provides the potential to deliver up to 3 times oil drain interval versus a leading synthetic compressor lubricant.

Features and Benefits

- Outstanding thermal / oxidation stability help to provide up to three times oil drain interval versus a leading synthetic compressor oil and reduce maintenance downtime
- Excellent varnish and sludge control helps to deliver cleanliness and extended compressor oil life
- High performance synthetic base stocks with high viscosity index enables wide temperature range capability and effective lubrication at high temperatures
- High load carrying capability protects equipment and extends life, helps minimize unexpected downtime and extend service periods
- Exceptional resistance to rusting and corrosion, very good antiwear, demulsibility, foam control and air release and multi-metal compatibility
- Excellent water separability helps reduce carryover to downstream equipment, reduce sludge formation in crankcases and discharge lines, helps reduce blockage of coalescers, coolers and less potential for emulsion formation

Applications

- Mobil SHC Rarus Series are primarily for rotary screw and vane air compressor, very effective in screw type compressors with oil injection cooling; compressors with a history of excess oil degradation, poor valve performance or deposit formation
- Compressors operating under severe conditions, particularly effective for continuous high temperature operation with discharge temperatures up to 200°C
- Compressor systems with critical gears and bearings
- Not for air compressors used in breathing air applications
- Compatible with all metals used in compressor construction and with conventional mineral oil-based air compressor oils but mixture with other oils may detract from the total performance capability

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, AS I M D 2270 , min	123	122	129
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	-42	-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

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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4-2015

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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 www.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.

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