Mobil SHC™
Performance by ExxonMobil

Mobil Rarus SHC™ 1020 Series

Severe-duty rotary screw and vane air compressor lubricants

Energy lives here™

Key benefits

- Wide temperature range capability
- Reduced sludge formation in crankcases and discharge lines
- Low potential for emulsion formation
- Enhanced filter life

Mobil Rarus SHC™ 1020 Series oils are formulated with wax-free synthetic hydrocarbon fluids and a high-technology additive system to provide:

- **Exceptional resistance to oxidation and thermal degradation**
- **High viscosity index**
- **Excellent water separation characteristics**
- **Effective rust and corrosion protection**
- **High load-carrying ability**

Handles discharge temperatures up to

200°C

High-temperature operation

Mobil Rarus SHC 1020 Series oils deliver outstanding performance for continuous high-temperature operation with discharge temperatures up to 200 degrees Celsius. They are recommended for units with a history of excessive oil degradation, poor valve performance or deposit formation.

Mobil Rarus SHC 1020 Series are compatible with all metals used in compressor construction and with conventional mineral oil-based air compressor lubricants, but admixture with other oils may detract from the overall performance.

Mobil Rarus SHC™ 1020 Series

High viscosity index and water separating characteristics

The formulation of the Mobil Rarus SHC™ 1020 Series oils provides excellent wear protection and the ability to reduce maintenance costs by reducing equipment problems, downstream deposits and carryover. Their high viscosity index ensures effective lubrication at high temperatures.

Strong water separating characteristics help reduce problems with emulsion formation and filters, reducing the need for frequent maintenance. Mobil Rarus SHC 1020 Series lubricants have a high autogeneous ignition temperature, significantly reducing the potential for fires and explosions when compared with mineral oil-based products.

Typical properties*

Mobil Rarus SHC 1020 Series	1024	1025	1026
ISO viscosity grade	32	46	68
Flash point, °C, ASTM D 92	245	246	246
Specific gravity 15°C, ASTM D 1298	0.846	0.849	0.856
Viscosity, ASTM D 445			
cSt @ 40°C	31.5	44	66.6
cSt @ 100°C	5.7	7.2	10.1
Viscosity index, ASTM D 2270 , min	127	131	136
Copper strip corrosion, ASTM D130, 24 h @ 100°C	1B	2A	1B
Rust characteristics Proc A, ASTM D 665	Pass	Pass	Pass
Pour point, ASTM D 97, °C, max	-48	-45	-45

Industrial Lubricants

Advancing Productivity™

Safety

The long drain intervals offered by Mobil Rarus SHC™ 1020 Series help limit potentially hazardous interaction between employees and equipment, which can enhance worker safety.

Environmental Care**

Long lubricant life helps reduce the need for disposing of used oil, which can help limit the environmental impact of your operation.

Productivity

Reduced drain intervals can help extend equipment uptime and hours of operation, which can help you enhance production.

*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 global.mobil.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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