

ExxonMobil Mobil Rarus 1024 SHC 1000 Series

Category : Fluid , Lubricant

Material Notes:

The Mobil Rarus SHC 1000 Series is a line of supreme performance oils primarily intended for the lubrication of severe duty rotary screw and vane air compressors. They are particularly suited for severe service where mineral 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. They are formulated with design-specific wax-free synthetic hydrocarbon fluids and a high technology additive system that assures exceptional resistance to oxidation and thermal degradation far superior to mineral oil-based air compressor oils. They provide outstanding equipment protection and reliability for compressors operating under conditions where other air compressor oils are not meeting expectations. Mobil Rarus SHC 1000 Series provide excellent wear protection and outstanding resistance to oxidation and thermal degradation, greatly superior to mineral oils. Their unique formulation provides the ability to reduce maintenance costs through minimising equipment problems and downstream deposits and carryover. Their high viscosity index ensures effective lubrication at high temperatures. Mobil Rarus SHC 1000 Series lubricants significantly reduce the potential for fires and explosions when compared to mineral oil-based products. They exhibit a virtual absence of deposit formation and high autogeneous ignition temperatures improving both performance and safety. Their exceptional water separating characteristics reduce problems with emulsion formation coalescers and filters reducing the need for frequent maintenance. The Mobil Rarus SHC 1000 Series oils are primarily intended for rotary screw and vane compressors. They are particularly effective for continuous high temperature operation with discharge temperatures up to 200° C. Rarus SHC 1000 Series oils are recommended for units with a history of excess oil degradation, poor valve performance or deposit formation. They are compatible with all metals used in compressor construction and with conventional mineral oil-based air compressor oils but admixture with other oils may detract from the total performance capability. Mobil Rarus SHC 1000 Series oils are not recommended for air compressors used in breathing air applications. The following types of compressor applications have shown excellent performance with the Mobil Rarus SHC 1000 Series oils: Primarily recommended for rotary screw and vane air compressor; Very effective in screw type compressors with oil injection cooling; Units operating under severe conditions; Multistage units with a history of excessive oil degradation from mineral oil-based products; Compressor systems with critical gears and bearings; Compressors used in stationary and mobile applications

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http://www.lookpolymers.com/polymer_ExxonMobil-Mobil-Rarus-1024-SHC-1000-Series.php

| Physical Properties | Metric | English | Comments |
|--------------------------------------|------------|------------|-------------------|
| Specific Gravity | 0.846 g/cc | 0.846 g/cc | 15°C; ASTM D1298 |
| Viscosity Measurement | 127 | 127 | Index; ASTM D2270 |
| Kinematic Viscosity at 40°C (104°F) | 31.5 cSt | 31.5 cSt | ASTM D445 |
| Kinematic Viscosity at 100°C (212°F) | 5.7 cSt | 5.7 cSt | ASTM D445 |

| Thermal Properties | Metric | English | Comments |
|--------------------|-------------|-------------|----------|
| Pour Point | <= -39.0 °C | <= -38.2 °F | ASTM D97 |
| Flash Point | 245 °C | 473 °F | ASTM D92 |

| Descriptive Properties | Value | Comments |
|----------------------------------|-------|---------------|
| Copper Strip Corrosion | 1B | 3 hrs @ 100°C |
| Rust Prevention, Distilled Water | pass | ASTM D665A |

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