

PRODUCT DATA SHEET

PRODUCT DESCRIPTION

Mobil Rarus SHC 1020 Series are synthetic hydrocarbon based lubricants affording the very best protection for rotary air compressors and turbochargers. Possession of superior thermal and oxidation stability enables them to function over a greater range of application temperatures with low coking tendency and resistance to residue formation. These properties enable **Mobil Rarus SHC 1020 Series** to reduce maintenance and simultaneously improve safety by reducing fire and explosion risk. Superior hydrolytic stability also assures optimum compatibility when in the presence of water.

APPLICATION

Compressors - Mobil Rarus SHC 1020 Series are recommended for all **rotary vane and screw air compressors**. Their superior thermal and oxidation stability enables them to be particularly effective in screw type compressors with oil injection oil cooling. These designs place especially high demands on the compressor lubricant. Continual intermixing occurs between the lubricant and the air being compressed. Within trapped air bubbles in the lubricant, temperatures can rise to more than 100°C. Such conditions require the lubricant to possess outstanding thermal and oxidation stability. **Mobil Rarus SHC 1020 Series** excels in providing safe, trouble free, extended service in the most demanding compressor conditions.

Mobil Rarus SHC 1020 Series

Rotary Air Compressor & Turbo Charger Lubricant

Turbo Chargers (SHC 1026 only) – The outstanding thermal and oxidation stability properties of **Mobil Rarus 1026** also make it a preferred lubricant for maximum lubricant service and minimum deposits in high temperature turbo charger bearings. Here temperature extremes can frequently lead to the coking of lesser quality mineral and synthetic lubricants. A **viscosity index of 144** helps to assure further protection by resisting objectionable thinning of the lubricant viscosity in these extremely hot bearings. Confirmation of the superior quality of Mobil Rarus 1026 is its approval by **ABB Turbo System** for **oil change intervals of 5 times** that permitted with any normal mineral oil lubricant.

BENEFITS

- Oil change intervals increased to **4 to 6 times** that of mineral oil as demonstrated by field experience.
- Very **low oil consumption** due to volatility.
- Improved operational **safety** due to lowered tendency to form residues.
- Increased equipment **reliability** due to fewer breakdowns.
- Expanded **temperature range** for equipment use.

HEALTH and SAFETY

Based on available toxicological information, when properly handled and used, this product has little or no adverse health effect. No special precautions are suggested beyond attention to good personal hygiene. A detailed Material Safety Data Bulletin discussing this product is available upon request through your Sales Contract office.

TYPICAL CHARACTERISTICS

Mobil Rarus SHC	1024	1025	1026
Specific Gravity @ 15°C	0.846	0.849	0.854
Pour Point, °C	<- 48	<- 48	<- 45
Flash Point, °C	240	236	240
Viscosity at 40 °C, cSt	30.04	42.30	66.84
Viscosity at 100 °C, cSt	5.59	7.16	10.42
Viscosity Index	127	131	144
Color, ASTM	0.5	1.0	1.0
ASTM Rust, 48 hr. distilled water	Pass	Pass	Pass

Due to continual research and development, the information contained herein is subject to formulation changes without notice.

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