Mobil Rarus SHC 1024/1025/1026 (SHC 1020 Series)

Rotary Air Compressor & Turbo Charger Lubricant

Product Description

Mobil Rarus SHC 1020 Series are synthetic hydrocarbon based lubricants affording the very best protection for rotary air compressors and turbo chargers. 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.

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 low volatility
- Improved operational safety due to fewer breakdowns
- Increased equipment reliability due to fewer breakdowns
- Expanded temperature range for equipment use

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 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 more than 100 ^{o}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.

Turbo Chargers (SHC 1026 only) - The outstanding thermal and oxidation stability properties of Mobil Rarus 1026 also make it a preferred lubricant for maximum service life 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 SHC 1026 is its approval by ABB Turbo Systems for oil change intervals of 5 times that permitted with any normal mineral oil lubricant.

Typical Characteristics

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

Health & 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 these products is available upon request through your Sales Contract office, or via the Internet on http://www.mobil.com.