

Mobil Rarus 400 Series

Premium Air Compressor Lubricants

Product Description

Mobil Rarus 400 Series oils are high quality lubricants intended for use in air compressors. They are formulated from highly refined base stocks having narrow distillation ranges. They incorporate novel additive technology to give outstanding antiwear, antirust and antioxidation performance. Their high viscosity index ensures effective lubrication at high temperatures.

Mobil Rarus 400 Series lubricants exceed the requirements of DIN 51506 VD-L standards and demonstrate a very high resistance to oxidation and deposit formation in the DIN 513532-1 Oxidation Test and the Pneurop Oxidation Test (DIN 513532-2). They are recommended or approved by many leading compressor manufacturers.

Benefits

Mobil Rarus 400 Series lubricants offer the following advantages:

- Cleaner compressors as a result of lower deposit formation compared with conventional mineral oils, giving longer running periods between maintenance shutdowns
- Less wear because of outstanding antiwear properties and protection against corrosion
- Greatly extended lubricant life because of exceptional stability to oxidation and thermal degradation and reduced carry over
- Reduced downtime and lower maintenance costs
- Good inter-cooler and after-cooler efficiency due to reduced deposits and high resistance to emulsion formation

Applications

Mobil Rarus 400 series oils are recommended for single and multistage air compressors and are particularly effective for continuous high temperature arduous operation with exhaust temperatures up to 220°C. They are suitable for both reciprocating and rotary type machines, although the lower viscosity grades will be used mainly in rotary compressors. Mobil Rarus 400

Series oils are suitable for crankcase lubrication in cross head type reciprocating machines. Mobil Rarus 400 Series oils are compatible with all metals used in compressor construction and with mineral-oil compatible elastomers used in seals, O-rings and gaskets, as well as plastic air line lubrication bowls and sight glasses.

Mobil Rarus 400 Series oils are not intended or recommended for use in air compressors for breathing applications.

Typical Properties

Mobil Rarus 400 Series		424	425	426	427	429
Product Code		970447	970545	970933	970996	970843
	Test Method					
ISO VG		32	46	68	100	150
Viscosity	ASTM D445					
cSt at 40°C		31	46	65	95	150
cSt at 100°C		5.5	6.8	8.7	10.8	14.8
Viscosity Index	ASTM D2270	95	95	95	95	95
Specific Gravity	ASTM D1298	0.865	0.870	0.875	0.880	0.890
Flash Point, °C	ASTM D92	224	228	252	261	276
Pour Point, °C	ASTM D97	-18	-18	-18	-9	-9
Rust Protection	ASTM D665					
Distilled Water		Pass	Pass	Pass	Pass	Pass
Synthetic Sea Water		Pass	Pass	Pass	Pass	Pass
Foam Test	ASTM D892					
Sequence I, ml		50/0	50/0	50/0	50/0	50/0
Color	ASTM D1500	1.5	1.5	1.5	1.5	1.5

Health & Safety

Based on available toxicological information, these products produce no adverse effects on health when properly handled and used. No special precautions are suggested beyond attention to good personal hygiene, including laundering oil-soaked clothing and washing skin contact areas with soap and water. Additional health and safety information on these products, including Material Safety Data Bulletins, is available on request from your local Mobil company.