

Product Data Sheet

Mobil Rarus 800 Series Premium Synthetic Air Compressor Lubricants

Product Description

Mobil Rarus 800 Series lubricants are premium quality products primarily intended for the lubrication of severe duty reciprocating air compressors. They are formulated from synthetic esters and a unique additive system to produce products of outstanding resistance to oxidation and thermal degradation, greatly superior to mineral oils, and excellent protection against corrosion. They readily allow air to separate and possess low foaming tendencies. They have a wide temperature application range from -30°C to 200°C.

Mobil Rarus 800 Series lubricants significantly reduce the risks of fire and explosions, compared with mineral oil-based products, due to the reduced level of deposit formation.

Benefits

Mobil Rarus 800 Series lubricants offer the following benefits:

- Compatible with mineral oils, although dilution by mineral oils will reduce the operating benefits
- Increased temperature range of application beyond capabilities of mineral oils
- Reduced deposits on high temperature exhaust valves giving longer operating periods between maintenance periods
- Reduced explosion hazards due to reduction in deposit formations in exhaust valve areas and in inter-coolers and after-coolers
- Reduced oil consumption and extended drain periods due to high chemical stability and resistance to deposit formations
- Lower operating costs due to longer periods between maintenance intervals and lower oil consumption
- Increased ability to protect against fire (compared to mineral oil based lubricants)

Applications

Mobil Rarus 800 Series lubricants are primarily intended for severe operation of reciprocating units, although they are suitable for all types of air compressors.

Properties

Mobil Rarus 800 Series lubricants have a shear stable viscosity over a wide temperature range (-70°C to 200°C), a high load carrying ability and low vapour pressure at elevated temperatures. They also have good thermal and oxidation stability, good water separation characteristics and resistance to the formation of foam.

Mobil Rarus 800 Series lubricants are compatible with conventional mineral oil type lubricants but their full value can only be obtained by being used undiluted.

Mobil Rarus 800 Series are compatible with seals made from fluorinated hydrocarbon, silicone, fluorosilicone, polysulfide, Viton, Teflon and high nitrile Buna N NBR (above 36% acrylonitrile) materials. Materials not recommended include low nitrile Buna N NBR (below 30% acrylonitrile), natural and butyl rubbers, Neoprene, polyacrylate, styrene/butadiene and chlorosulfonated polyethylene.

Oil-resistant paints are not affected by Mobil Rarus 800 Series but lacquer, varnish, pvc and acrylic paints are not recommended.

Health and Safety

Based on available toxicological information, it has been determined that this product poses no significant health risk when used and handled properly.

Details on handling, as well as health and safety information, can be found in the Material Safety Data Bulletin which can be obtained through Mobil Oil Company Ltd., by telephoning 01372 22 2000.

Typical physical characteristics are given in the table. These are intended as a guide to industry and are not necessarily manufacturing or marketing specifications.

Product Characteristics

Mobil Rarus	Test Method	827	829
ISO Viscosity Grade		100	150
Viscosity, cSt at 40°C	ASTM D445	107	145
Viscosity, cSt at 100°C	ASTM D445	10.1	12.8
Viscosity Index	ASTM D2270	66	75
Pour Point, °C	ASTM D97	-36	-40
Flash Point, °C	ASTM D92	270	270

Due to continual product research and development, the information contained herein is subject to change without notice

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