

Product Data Sheet

Mobil Rarus 327 Air Compressor Lubricant

Product Description

Mobil Rarus 327 is a lubricant specially formulated for use in rotary oil cooled air compressors. It is made from solvent refined high quality paraffinic stock oils and contains a special additive package to retard any tendency for separator clogging. It has excellent anti-wear and anti-rust performance characteristics and its superior oxidation resistance also renders it suitable for use in reciprocating compressors.

Benefits

Mobil Rarus 327 offers the following benefits:

- Provides excellent sealing and cooling in both vane and screw type oil flooded rotary compressors
- Good anti-rust properties reduce tendency to rusting in compressors prone to wet operation
- Good anti-wear properties reduce mechanical wear and extend compressor service life
- Good resistance to oxidation and special additives retard build-up of carbonaceous deposits and residues in high temperature areas and in oil separators
- Special additives keep separators clean and retard build-up of oil oxidation products maintaining the pressure drop at minimum levels
- Minimum lubricant deterioration - extends oil service life - reduces maintenance costs - and increases compressor efficiency

Applications

Mobil Rarus 327 is recommended for the lubrication of both screw and vane type oil cooled rotary air compressors. It is approved by Compair Hydrovane compressors and has shown freedom from separator plugging even after over 5,000 hours without draining the oil. This shows the quality reserve in the product.

In oil injected compressors the oil is intimately mixed with the air being compressed and subjected to intense high temperature oxidising conditions. Under these severe conditions the very high level of chemical stability of Mobil Rarus 327 results in trouble-free service.

Properties

Mobil Rarus 327 is made from high quality paraffinic stock oils with high levels of chemical and thermal stability. The addition of additive materials enhances these characteristics and ensures minimum formation of deposits in separators and coolers.

The anti-wear and anti-rust additives provide long compressor service life with minimum downtime for repair and maintenance. The special additives act to keep separators (felt, fibreglass and ceramic types) free from oil derived deposits which impede air flow and induce pressure drop.

Mobil Rarus 327 falls under ISO 6743 class ISO-L-DAH for rotary compressors and exceeds the DIN 51506 class V-DL performance level for reciprocating compressors.

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 327

Relative Density 15/4 °C	0.880
Viscosity, cSt at 40°C	80/95
Viscosity, cSt at 100°C	10.6
Viscosity Index	108
Pour Point, °C max.	-24
Flash Point COC, °C min.	210
Colour - ASTM	3.5

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

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