

# Product Data Sheet

## Mobil Rarus 400 Series Air Compressor Lubricants

### Product Description

Mobil Rarus 400 Series air compressor lubricants are made from solvent refined high quality paraffinic stock oils having carefully controlled properties. They incorporate novel additive technology to give outstanding anti-wear, anti-rust and anti-oxidant performance. Mobil Rarus 424, 425 and 426 include 'keep clean' properties which are particularly important in rotary compressors.

They are available in five viscosity grades, and are branded Mobil Rarus 424, 425, 426, 427 and 429.

Mobil Rarus 400 Series lubricants exceed DIN-51506 VDL requirements.

### Benefits

Mobil Rarus 400 Series products offer the following benefits:

- Vastly increased oil life - extensive rig and field test results have shown over double the life can be obtained, particularly in rotary compressors, compared with conventional products
- Excellent protection against oil separator clogging in rotary compressors
- Exceptional resistance to oxidation and deposit formation, gives longer valve cleaning intervals
- Reduced ring and cylinder wear due to good rust protection and load carrying characteristics
- Reduced oil consumption and carry over due to excellent product stability
- Lower maintenance costs, reduced downtime - increased operating profits

### Applications

Mobil Rarus 400 Series lubricants are recommended for single and multi-stage 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 mainly see operation in rotary compressors.

They are recommended and/or approved by all major air compressor manufacturers in UK and Europe.

Mobil Rarus 400 Series lubricants are also suitable for crankcase lubrication in crosshead type reciprocating machines.

### Properties

Due to the very high quality base oils and additive treatment Mobil Rarus 400 Series lubricants have high resistance to oxidation and deposit formation.

Mobil Rarus Series lubricants exceed the Quality Level VD-L in DIN 51506 which specifies the Requirements and Safety Aspects for Selection and Testing Air Compressor Lubricants.

## 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

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<b>Mobil Rarus</b>		<b>424</b>	<b>425</b>	<b>426</b>	<b>427</b>	<b>429</b>
	<b>Test Method</b>					
ISO Viscosity Grade	-	32	46	68	100	150
Viscosity, cSt at 40°C	ASTM D445	30.0	43.6	63.5	93.2	132
Viscosity, cSt at 100°C	ASTM D445	5.5	6.8	8.7	10.8	14.8
Viscosity Index	ASTM D2270	95	95	95	95	95
Pour Point, °C	ASTM D97	-18	-18	-18	-9	-9
Flash Point, °C	ASTM D92	224	228	252	261	276

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

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