# MOL Compressol R 46

## rotary compressor oil

MOL Compressol R 46 is a compressor oil developed for the lubrication of screw compressors and vane compressors. It is a mixture of highly refined mineral oils, containing additives that are efficient detergents, and inhibit oxidation, wear, corrosion and foaming. It effectively prevents the formation of coke and deposits in the compression chamber, and it maintains a high degree of cleanliness in the internal parts of the compressor and the oil separator filter. It allows any easy separation of condensate from the air flow in the separator and in the drier. It ensures outstanding protection and performance for rotary compressors working with oil injection lubrication and producing high pressures and high temperatures at the end of compression.

## Application



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|---|---|
| | Stationary and mobile screw and vane compressors with oil-flooded lubrication |
| | Arduous conditions where severe oil degradation and sludge formation are experienced |
| | Single- and multi-stage machines producing high pressures and operating at high compression discharge temperatures |

## Features and benefits

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|---|---|
| Excellent lubricity | Forms a lubricant film layer with high load-carrying ability, so protects the condition of moving machine elements |
| Outstanding thermal and oxidation stability | Resists the ageing process and deposit formation long term, even at high operating temperature and pressure conditions<br>Ensures cleanliness of compression chamber elements and bearings, enables extended oil service intervals and reduced maintenance costs |
| Excellent corrosion protection | Effective protection of steel and non-ferrous metal parts even in the presence of water |
| Low foaming tendency | Stable, continuous lubricating film, giving reduced wear<br>Less oil carry-over, giving reduced oil consumption and efficient oil separator operation |
| Outstanding detergent properties | Special composition prevents sedimentation of contaminants and provides excellent surface cleaning effect in the compression chamber |
| Excellent water separation | Water is rapidly separated from the oil and can be drained from the system<br>Less oil separator filter blockage<br>Longer oil change interval and equipment lifetime |
| Rapid air release | Reduced risk of cavitation<br>Outgoing air does not cause increased foaming<br>Continuous lubricating film, free of air bubbles |

## Specifications and approvals

| | |
|---|---|
| | Viscosity grade: ISO VG 46<br>ISO-L-DAH<br>DIN 51506 VBL<br>DIN 51506 VCL |

Manufactured and distributed by MOL-LUB Ltd.
E-mail: lubricants@mol.hu Web: mollubricants.com
Technical service: H-1117 Budapest, Neumann János u. 1/E.
Tel: + 36 (1) 464-02-36 E-mail: lubtechdesk@mol.hu
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### Properties

| Properties | Typical values |
|---|---|
| Density at 15°C [g/cm3] | 0,878 |
| Kinematic viscosity at 40°C [mm2/s] | 47,8 |
| Kinematic viscosity at 100 °C [mm2/s] | 6,9 |
| Viscosity index | 98 |
| Pour point [°C] | -27 |
| Flash point (Cleveland) [°C] | 230 |
| Sulphated ash [mass %] | 0,45 |

The characteristics in table are typical values of the product and do not constitute a specification.

### Storage and handling instructions

Store in the original container in dry, properly ventilated area.
Keep away from direct flame and other sources of ignition.
Protect from direct sunlight.
During transport, storage and use of the product follow the work safety instructions and environmental regulations relating to mineral oil products.
For further details please read the Material Safety Data Sheet of the product.
In the original container under the recommended storage conditions: 48 months
Recommended storage temperature: max. 40°C