

# 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



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

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  
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  
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  
Less oil separator filter blockage  
Longer oil change interval and equipment lifetime

Rapid air release

Reduced risk of cavitation  
Outgoing air does not cause increased foaming  
Continuous lubricating film, free of air bubbles

### Specifications and approvals

Viscosity grade: ISO VG 46  
ISO-L-DAH  
DIN 51506 VBL  
DIN 51506 VCL

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### Properties

Properties	Typical values
Density at 15°C [g/cm <sup>3</sup> ]	0,878
Kinematic viscosity at 40°C [mm <sup>2</sup> /s]	47,8
Kinematic viscosity at 100 °C [mm <sup>2</sup> /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

### Ordering information

Custom Tariff Number 27101981

#### SAP code and packaging:

13100408	MOL Compressol R 46 10LA	10 l plastic can
13100407	MOL Compressol R 46 50KG	60 l steel drum
13100409	MOL Compressol R 46 180KG	216.5 l steel drum
13300629	MOL Compressol R 46 860KG	IBC (for order only)

#### Order booking:

Please contact your local distributor or sales partner for ordering details.