

MOL Compressol R 46 AL

ashless rotary compressor oil



MOL Compressol R 46 AL is a high performance ashless compressor oil developed for the lubrication of screw and vane compressors. It is a blend of highly refined mineral oils containing additives that effectively inhibit oxidation, corrosion and wear. It efficiently 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 ensures outstanding protection and performance for rotary compressors working with oil injection lubrication 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, facilitating efficient energy consumption

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

Rapid air release

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

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

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

Specifications and approvals

Viscosity grade: ISO VG 46
ISO-L-DAH
DIN 51524-2 (HLP)
DIN 51506 VDL

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Properties

Properties	Typical values
Density at 15°C [g/cm ³]	0,880
Kinematic viscosity at 40°C [mm ² /s]	47,2
Kinematic viscosity at 100 °C [mm ² /s]	6,8
Viscosity index	100
Pour point [°C]	-21
Flash point (Cleveland) [°C]	220

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:

13005275 MOL Compressol R 46 AL X10L

10 l plastic can

13009384 MOL Compressol R 46 AL 170KG

216.5 l steel drum (for order only)

Order booking:

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