

MOL Food Comp 46

food-grade compressor oil



MOL Food Comp 46 is a synthetic compressor oil produced from PAO (Polyalphaolefin) base oil and carefully selected additives, that are particularly suitable for air compressors used in manufacturing and handling equipment of the food-processing industry. It is a category H1 product registered by NSF: "This product can be used as food-grade lubricant (H1) in the direct and indirect environment of food processing, where there is a possibility of incidental food contact." Compared with conventional mineral oil compressor oils produced from mineral oil, its range of application temperatures is wider and its oxidation stability is better. To ensure the best lubricating characteristics and to avoid the risk of any toxic effects, it is recommended to adopt a shortened service interval after the first filling, especially if the equipment was previously operated with a conventional compressor oil. Recommended service intervals: - 3000 hours, if the compression temperature < 85°C - 1500 hours, if the compression temperature > 85°C (max. 100°C).

Application



- Reciprocating compressors
- Screw and vane compressors
- Vacuum pumps
- Compressors operated in the pharmaceutical industry
- Carbon dioxide compressors
- Pneumatic systems
- Compression and transmission of inert gases
- Bearings operating at high temperatures

MOL Food Comp 46

food-grade compressor oil



Features and benefits

NSF H1 registered quality	Applicable in each stage of a food supply chain No health risk when in contact with foodstuffs below the permitted range
Exceptional thermal and oxidation stability	Protects against deposit formation at high temperatures Increased oil drain intervals; three times longer drain periods are achievable compared to conventional lubricants, depending on the operating conditions
Excellent water separation	Water is rapidly separated from the oil and can be drained from the system Longer oil change interval and equipment lifetime Abnormal corrosion and wear of equipment can be prevented
High viscosity index	Optimal flow properties in a wide range of temperatures Safe application throughout the year
Excellent wear protection	Reduced wear of contacting surfaces, even under varying operating conditions Longer equipment lifetime, giving reliable operation
Excellent corrosion protection	Extreme long term protection of steel and non-ferrous metal parts Effectively contributes to potential reduction of maintenance costs
Low volatility	Amount of oil top-up is reduced
Low foaming tendency	Continuous lubricating film, even at high loads
Miscible with mineral based compressor oils	In the case of eventual mixing, the charge can still be used, with a consequent loss of food-grade quality Reduced risk of failures due to mixing lubricants

Specifications and approvals

Viscosity grade: ISO VG 46
NSF H1[142133]

MOL Food Comp 46

food-grade compressor oil



Properties

Properties	Typical values
Density at 15°C [g/cm ³]	0,833
Kinematic viscosity at 40°C [mm ² /s]	45
Kinematic viscosity at 100 °C [mm ² /s]	7,9
Viscosity index	145
Pour point [°C]	-48
Flash point (Cleveland) [°C]	270

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 34039900

SAP code and packaging:

13007302 MOL Food Comp 46 10LA

10 l plastic can (for order only)

Order booking:

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