

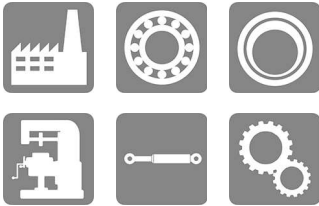
MOL TCL 46

circulating and machine-tool oil



MOL TCL 46 is a lubricating oil developed for the operation of bearings and drive gears of industrial equipment working with circulated lubrication systems. It is a highly refined mineral oil containing additives that inhibit oxidation and corrosion. It provides a high level of protection for metal components against corrosion and undue wear, it exhibits an excellent resistance to oxidation and thermal decomposition. It exhibits a rapid separation of air and water, as a result of which a reliable operation and long lifetime of oil and equipment can be achieved.

Application



- Oil lubricated sliding and rolling bearings
- Circulation systems of machine-tools
- Bearings of high speed spindles fitted with tight clearances
- Low- and medium-duty enclosed industrial gear drives where EP performance is not required
- Low- and medium-duty hydraulic systems where antiwear performance is not required
- Reciprocating compressors transmitting air, inert (non-corrosive) and hydrocarbon gases

Features and benefits

- | | |
|--------------------------------------|---|
| Excellent lubricity | Effective friction and wear reduction
Increased equipment service life, reduced spare parts and operational costs |
| Good thermal and oxidation stability | No harmful deposits are formed even at high temperatures
Longer oil service interval and reduced maintenance costs |
| Excellent water separation | Water is rapidly separated from the oil and can be drained from the system
Abnormal corrosion and wear of equipment can be prevented
Longer oil service interval and equipment lifetime |
| Rapid air release | Continuous lubricating film, free of air bubbles
Reduced risk of cavitation
Outgoing air does not cause increased foaming
Reliable operation, giving longer equipment lifetime |
| Excellent corrosion protection | Effective protection of steel and non-ferrous metal parts even in the presence of water
Long machine lifetime, so reduced maintenance cost |
| Low foaming tendency | Continuous lubricating film, even at high loads
Less downtime, giving reduced maintenance costs |

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Specifications and approvals

Viscosity grade: ISO VG 46
ISO 11158 HL
ISO 12925-1 CKB
ISO-L-CKB
ISO-L-DAA
ISO-L-DAB
ISO-L-FC
ISO-L-HL
DIN 51524-1 (HL)
DIN 51506 VBL
DIN 51506 VCL
DIN 51517-2 (CL)
Morgoil Lubricant Spec. Rev. 1.1

Properties

Properties	Typical values
Density at 15°C [g/cm ³]	0,875
Kinematic viscosity at 40°C [mm ² /s]	46,4
Kinematic viscosity at 100 °C [mm ² /s]	6,7
Viscosity index	96
Pour point [°C]	-24
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 27101999

SAP code and packaging:

13006569	MOL TCL 46 10LA	10 l plastic can
13006571	MOL TCL 46 50KG	60 l steel drum
13006570	MOL TCL 46 180KG	216.5 l steel drum

Order booking:

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