

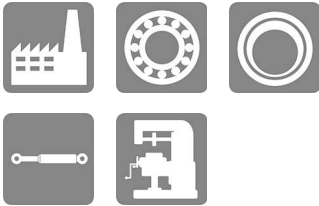
# MOL TCL 10

## circulating and machine-tool oil



MOL TCL 10 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-duty hydraulic systems where antiwear performance is not required

### 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 viscosity	Low internal friction, giving energy savings Improved heat transfer, excellent cooling effect
Low foaming tendency	Continuous lubricating film, even at high loads Less downtime, giving reduced maintenance costs

### Specifications and approvals

Viscosity grade: ISO VG 10  
ISO 11158 HL  
ISO-L-FC  
ISO-L-HL  
DIN 51524-1 (HL)  
DIN 51517-2 (CL)

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### Properties

Properties	Typical values
Density at 15°C [g/cm <sup>3</sup> ]	0,857
Kinematic viscosity at 40°C [mm <sup>2</sup> /s]	10,1
Kinematic viscosity at 100 °C [mm <sup>2</sup> /s]	2,65
Viscosity index	97
Pour point [°C]	-39
Flash point (Cleveland) [°C]	160

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:

13009443 MOL TCL 10 10LA  
13006550 MOL TCL 10 170KG

10 l plastic can (for order only)  
216.5 l steel drum (for order only)

#### Order booking:

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