

# MOL TCL 220

## circulating and machine-tool oil



MOL TCL 220 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

Low- and medium-duty enclosed industrial gear drives where EP 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

### Specifications and approvals

Viscosity grade: ISO VG 220

ISO 12925-1 CKB

ISO-L-CKB

DIN 51506 VBL

DIN 51517-2 (CL)

Morgoil Lubricant Spec. Rev. 1.1

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### Properties

Properties	Typical values
Density at 15°C [g/cm <sup>3</sup> ]	0,895
Kinematic viscosity at 40°C [mm <sup>2</sup> /s]	225
Kinematic viscosity at 100 °C [mm <sup>2</sup> /s]	18,55
Viscosity index	91
Pour point [°C]	-21
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 27101999

#### SAP code and packaging:

13009647 MOL TCL 220 X10LA

10 l plastic can (for order only)

13006561 MOL TCL 220 180KG

216.5 l steel drum (for order only)

#### Order booking:

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