

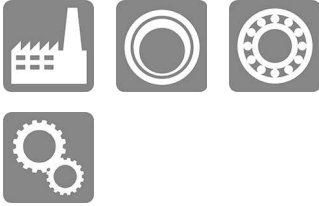
# MOL TCL 680 M

## circulating and bearing oil



MOL TCL 680 M is a premium quality lubricating oil developed for the operation of bearings and drive gears of industrial equipment working with high capacity circulated lubrication systems. It is a highly refined mineral oil containing additives that inhibit oxidation, wear 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 separates from air and water extremely quickly, as a result of which, a reliable operation and long service life of oil and equipment can be achieved.

### Application



- Oil lubricated sliding and rolling bearings
- Plain bearings exposed to dynamic water loads
- Supporting roller neck bearings, Morgoil bearings
- Low- and medium-duty enclosed industrial gear drives where EP performance is not required

### Features and benefits

Excellent lubricity	Effective friction and wear reduction Increased equipment service life, reduced spare parts and operational costs Improved performance and high-level bearing protection
Exceptional thermal and oxidation stability	Resists the ageing process and deposit formation, even at high operating temperatures, giving long oil lifetimes and reduced maintenance costs
Excellent water separation	Rapid separation from water, even under large and dynamic loads when water is present Water accumulating at the bottom of the tank can be removed easily Less filter plugging Abnormal corrosion and wear of equipment can be prevented Longer oil service interval and equipment lifetime
Rapid air release	Reduced risk of cavitation Outgoing air does not cause increased foaming Continuous lubricating film, free of air bubbles 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 680  
ISO 12925-1 CKB  
ISO-L-CKB  
DIN 51517-2 (CL)  
Morgoil Lubricant Spec. Rev. 1.1  
SMS SIEMAG-Morgoil Lubricant Spec. SN 180 Part 3  
SEB 181225 (CL)

### Properties

Properties	Typical values
Density at 15°C [g/cm <sup>3</sup> ]	0,905
Kinematic viscosity at 40°C [mm <sup>2</sup> /s]	640
Kinematic viscosity at 100 °C [mm <sup>2</sup> /s]	36,5
Viscosity index	92
Pour point [°C]	-9
Flash point (Cleveland) [°C]	270
Water separability at 82 °C	
- time to separation at 82 °C [min]	25

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:

13009328 MOL TCL 680 M 180KG

216.5 l steel drum (for order only)

#### Order booking:

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