

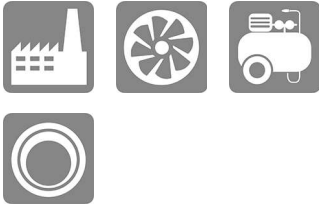
# MOL Turbine Longlife 46

## high-performance turbine oil



MOL Turbine Longlife 46 is a high performance turbine oil, which is a balanced combination of hydrofinished mineral oils and oxidation inhibiting and corrosion inhibiting additives. It is the ideal lubricant for turbines and other industrial applications that require high reliability and long service lifetimes.

### Application



Steam and gas turbines, turbines with gear drives, turbocompressors  
Circulation systems  
Plain bearings exposed to dynamic water loads

### Features and benefits

Outstanding thermal and hydrolytic stability

Very low deposit formation tendency  
Provides stick-free operation of servo and control valves  
Long oil drain intervals  
Reliable operation, so reduced operational costs

Outstanding filterability

No deterioration of filterability, even in the presence of moisture  
Calculably low filter usage even with 2-3 micron pore size filter cartridges

Excellent water separation

Water is rapidly separated from the oil and can be drained from the system  
The formation of harmful deposits and filter plugging can be avoided  
Abnormal corrosion and wear of equipment can be prevented  
Longer oil change interval and equipment lifetime  
Increased operational safety of equipment

High viscosity index

Optimum lubrication and reliable operation in a wide range of environmental and operational temperatures

Rapid air release

Reduced risk of cavitation  
Outgoing air does not cause increased foaming  
Reliable operation, giving longer equipment lifetime

Extremely low foaming tendency

Forms a continuous, robust lubricating film even under forced operating conditions, giving reduced wear  
Longer lubricant and equipment lifetime

Excellent corrosion protection

Extreme long term protection of steel and non-ferrous metal parts even in the presence of moisture  
Long machine lifetime, so reduced maintenance cost

Excellent wear protection

Reliable operation in turbines fitted with a gearbox  
Improved operational safety and high level of availability

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### Specifications and approvals

Viscosity grade: ISO VG 46  
ISO 8068 Type AR  
ISO-L-TGA  
ISO-L-TSA  
DIN 51515-1 L-TD  
DIN 51515-2 L-TG  
AIST (US Steel) 125  
AIST (US Steel) 120  
Siemens TLV 901304/01  
Alstom (ABB) HTGD 90117  
Solar Turbines ES 9-224 Class II  
SKODA POWER  
GEK 101941A  
GEK 28143A  
GEK 32568A/C/E  
GEK 46506D

### Properties

Properties	Typical values
Density at 15°C [g/cm <sup>3</sup> ]	0,854
Kinematic viscosity at 40°C [mm <sup>2</sup> /s]	45
Viscosity index	120
Pour point [°C]	-30
Flash point (Cleveland) [°C]	245
Air release properties at 50°C [min]	4
Water separability at 54°C	
- separation time at 54 °C [min]	10
Oxidation stability (TOST)	
- time to 2 mgKOH/g acid number [h]	>10000

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

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### Ordering information

Custom Tariff Number 27101981

#### SAP code and packaging:

13009368 MOL Turbine Longlife 46 170KG  
13007968 MOL Turbine Longlife 46 860KG

216.5 l steel drum (for order only)  
IBC (for order only)

#### Order booking:

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