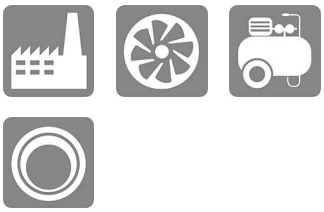
# MOL Turbine 46 K

## turbine oil

MOL Turbine 46 K is a premium turbine oil product having a low pour point, which is a balanced combination of carefully selected quality mineral oils and additives that inhibit oxidation and corrosion. It is particularly recommended for turbines and other industrial applications that require high reliability and long service lifetimes.

## Application



| | |
|---|---|
| | Steam, gas and water turbines of power plants, 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<br>Provides stick-free operation of servo and control valves<br>Long oil drain intervals<br>Reliable operation, so reduced operational costs |
| Outstanding filterability | No deterioration of filterability, even in the presence of moisture<br>Calculably low filter usage even with 2-3 micron pore size filter cartridges |
| Rapid air release | Reduced risk of cavitation<br>Outgoing air does not cause increased foaming<br>Reliable operation, giving longer equipment lifetime |
| Extremely low foaming tendency | Forms a continuous, robust lubricating film even under forced operating conditions, giving reduced wear<br>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<br>Long machine lifetime, so reduced maintenance cost |
| Excellent wear protection | Reliable operation in turbines fitted with a gearbox<br>Improved operational safety and high level of availibility |
| Good water separation | Effective lubrication and problem-free operation even in the presence of water<br>Abnormal corrosion and wear of equipment can be prevented<br>Water accumulating at the bottom of the tank can be removed easily<br>Longer oil change interval and equipment lifetime |

# MOL Turbine 46 K

**turbine oil**

## Specifications and approvals

Viscosity grade: ISO VG 46
*Siemens TLV 901304*
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*SKODA POWER*
ISO 8068 Type AR
ISO-L-TGA
ISO-L-TSA
DIN 51515-1 L-TD
DIN 51524-1 (HL)
DIN 51517-2 (CL)
Cincinnati Lamb P-55
AIST (US Steel) 125
AIST (US Steel) 120
Alstom (ABB) HTGD 90117
Solar Turbines ES 9-224 Class II
BS 489

## Properties

| Properties | Typical values |
|---|---|
| Appearance | yellow, clear, bright |
| Density at 15°C [g/cm3] | 0,877 |
| Kinematic viscosity at 40 °C [mm2/s] | 46 |
| Kinematic viscosity at 100 °C [mm2/s] | 6,7 |
| Pour point [°C] | -21 |
| Flash point (Cleveland) [°C] | 225 |
| Neutralization number [mg KOH/g] | 0,09 |
| Air release properties at 50°C [min] | 4 |
| Water separability at 54°C | |
| - separation time at 54 °C [min] | 10 |

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: 60 months
Recommended storage temperature: max. 40°C