

# MOL Turbine 32 K

## turbine oil



MOL Turbine 32 K is a premium turbine oil product, which is a balanced combination of carefully selected quality mineral oils and oxidation inhibiting and corrosion inhibiting additives. 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  
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

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

Good water separation

Effective lubrication and problem-free operation even in the presence of water  
Abnormal corrosion and wear of equipment can be prevented  
Water accumulating at the bottom of the tank can be removed easily  
Longer oil change interval and equipment lifetime

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### Specifications and approvals

Viscosity grade: ISO VG 32  
*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-38  
AIST (US Steel) 125  
AIST (US Steel) 120  
Siemens TLV 901304  
Alstom (ABB) HTGD 90117  
Solar Turbines ES 9-224 Class II  
GEK 101941A  
GEK 32568H  
GEK 46506D  
BS 489

### Properties

Properties	Typical values
Density at 15°C [g/cm <sup>3</sup> ]	0,872
Kinematic viscosity at 40°C [mm <sup>2</sup> /s]	32
Viscosity index	96
Pour point [°C]	-21
Flash point (Cleveland) [°C]	220
Neutralization number [mg KOH/g]	0,1
Air release properties at 50°C [min]	3
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: 48 months

Recommended storage temperature: max. 40°C