



## Neste Turbine GT 46 EP

Turbine oil

### PERFORMANCE CLAIMS

DIN 51 515 - L-TD

DIN 51 524 - HL

ISO-L-TGA 46

ISO-L-TGE 46

SIEMENS TLV 901304-01

BS 489

### DESCRIPTION

Neste Turbine GT 46 EP is made from Nexbase 3000 series base oils, which have superior technical performance compared to ordinary mineral oils. Additionally, the base oil is practically free from sulphur and aromatics.

The top grade base oils and specially developed ashless additive system give Neste Turbine GT 46 EP a long and problem free lifetime even at elevated temperatures.

### SPECIAL FEATURES AND BENEFITS

- Excellent oxidation stability
- Excellent anti-rust performance
- High viscosity index
- Suitable for turbines with reduction gear in the same lubricating system as the turbine bearings

### TYPICAL CHARACTERISTICS

Density kg/m <sup>3</sup> 15°C	843
Flash Point °C (COC)	218
Pour Point °C	-24
Viscosity index	138
Viscosity cSt/ 40 °C	46
Viscosity cSt/ 100 °C	7.8
Total Acid Number mgKOH/g	0,2
Ash content w-%	0,01
Air release value 50 °C	4
FZG fail stage	11
Rust preventing ASTM D665 B	pass
Copper corrosion ASTM D130	1B
TOST ASTM D943	>10000

### APPLICATIONS:

Neste Turbine GT 46 EP is mainly used in turbines where the gearbox is in the same oil system as turbine bearings. Suits for hydro, steam and gas turbines.

It can also be used in industrial hydraulics and bearing lubrication when pressures are moderate.