



20L | 1331115-020  
60L | 1331115-060  
208L | 1331115-208

# RAVENOL Turbo Oil T46

**Kategorie:** Industrial oil

**Artikelnummer:** 1331115

**Viscosity:** 46

**Specifications:** DIN 51515-1 L-TD, DIN 51515-2 L-TG

**Oil type:** Mineral

**Approvals:** Siemens TLV 901304, Siemens TLV 901305

**Recommendations:** Alstom HTGD 90117 V0001 S, British Standard BS 489, Brown Boveri HTGD 90117, CEGB Standard 207001, General Electric GEK 46568 A, General Electric GEK 46568 C, MIL -L-17672 D, US Steel 120, Westinghouse Electric Corp. Turbine Oil Spec.

**Application:** Industry

**RAVENOL Turbo Oil T46** is a high quality lubricating oil for gas and steam turbines as well as for turbo compressors with and without gears, which meets the requirements of DIN 51515-2.

**RAVENOL Turbo Oil T46** is based on high quality base oils with additives to improve the corrosion protection and resistance to aging.

**RAVENOL Turbo Oil T46** is an all-purpose oil for turbines from specially selected base oils with the addition of special refined additives.

**RAVENOL Turbo Oil T46** is zinc-free due to its formulation.

## Application instructions

### RAVENOL Turbo Oil T4

is used in stationary gas turbines, steam turbines and also in electrical or in driven by steam machines, such as generators, compressors, pumps and gearboxes.

### RAVENOL Turbo Oil T4

is also for use in lubrication of hydraulic systems, compressors, gear transmissions and bearings.

## Characteristics

- Excellent thermal and oxidative stability
- Excellent viscosity-temperature behavior
- Very good oxidation stability
- Good protection against corrosion of steel and non-ferrous metals
- A very good air separation ability, which largely eliminates foam formation
- Low pour point
- Good wear behavior
- Excellent water separation ability/demulsification behavior

# Technical Product Data

CHARACTERISTICS	PROPERTY	DATA	AUDIT
Colour		L1.0	DIN ISO 2049
Purity grade		20/17/12	ISO 4406
Residual foam after 600 s at 25 °C	ml	0	ISO 6247
FZG Pass Load Stage		10	DIN ISO 14635-1
Foam Volume at 25 °C	ml	0	ISO 6247
Time to collapse of the foam at 25 °C	s	0	ISO 6247
Viscosity at 40 °C	mm <sup>2</sup> /s	46,1	DIN 51562-1
Water Separability	s	75	DIN 51589-1
Water content	%		DIN 51777-1
Density at 20 °C	kg/m <sup>3</sup>	840,0	EN ISO 12185
Flashpoint	°C	274	DIN EN ISO 2592
Copper strip corrosion		pass	DIN EN ISO 2160
Air release at 50 °C, max.	min	5	DIN ISO 9120
NZ Neutralisation number	mg KOH/g	0,06	DIN 51558-1
Pourpoint	°C		DIN ISO 3016