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## **RAVENOL Turbo Oil T46**

**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.

### **Application Notes**

**RAVENOL Turbo Oil T46** 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 T46** is also for use in lubrication of hydraulic systems, compressors, gear transmissions and bearings.

### **Specifications**

DIN 51515 Teil 1 (L-TD), Teil 2 (L-TG)

### **Approvals**

Siemens TLV 901304, TLV 9013 05

### **Practice and tested in aggregates with filling**

MIL-L-17672 D, British Standard BS 489, General Electric GEK 46568 A/C, CEEB Standard 207001, Brown Boveri HTGD 90117, U.S.Steel 120, Westinghouse Electric Corp. Turbine Oil Spec., Alstom HTGD 90117 V0001 S, Solar ES 9 224 requirements for gas turbine oils Class II (ISO VG 46) Alstom HTGD 90117 V0001 S, Solar ES 9 224 requirements for gas turbine oils Class

## Characteristic

**RAVENOL Turbo Oil T46** offers:

- Excellent thermal and oxidative stability
- Excellent viscosity-temperature behavior
- A very good oxidation stability
- Good protection against corrosion on steel and ferrous metals
- Very good air release properties, no foaming tendency
- Low pour point
- Good wear resistance
- Excellent water separation / demulsibility

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Characteristics	Unit	Data	Audit
Colour		L 0,5	DIN ISO 2049
Density at 20°C	kg/m <sup>3</sup>	838	EN ISO 12185
Viscosity at 40°C	mm <sup>2</sup> /s	46,2	DIN 51 562 T.1
Flash point (COC)	°C	258	DIN ISO 2592
Pourpoint	°C	< -12	DIN ISO 3016
Neutralization number	mgKOH/g	0.06	DIN 51 558-1
water content	%	<0,01	DIN 51 777-1

<b>Characteristics</b>	<b>Unit</b>	<b>Data</b>	<b>Audit</b>
Foaming volume at 25°C	ml	0	ISO 6247
Collapsetime of the foam at 25°C	s	0	ISO 6247
Restschaum nach 600s bei 25°C	ml	0	ISO 6247
water separation	s	75	DIN 51 589-1
air release property at 50°C	min	5	DIN ISO 9120
purity degree		20/17/12	ISO 4406
Cooper corrosion	120°C/3h	bestanden	DIN ISO 2160
FZG-Test A/8,3/90 damage loading step		10	DIN ISO 14635-1

All indicated data are approximate values and are subject to the commercial fluctuations.