RAVENOL Turbo Oil T32

RAVENOL Turbo Oil T32 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 T32 is based on high quality base oils with additives to improve the corrosion protection and resistance to aging.

RAVENOL Turbo Oil T32 is an all-purpose oil for turbines from specially selected base oils with the addition of special refined additives.

Application Notes

RAVENOL Turbo Oil T32 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 T32 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 32568 A/C, CEGB 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 32)

Characteristic

RAVENOL Turbo Oil T32 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		L0.5	DIN ISO 2049
Density at 20°C	kg/m³	833	EN ISO 12185
Viscosity at 40°C	mm²/s	32,3	DIN 51 562-01
Viscosity at 100°C	mm²/s	6,1	DIN 51 562-01
Viscosity index VI		138	DIN ISO 2909
Flammpunkt nach Cleveland	°C	232	DIN ISO 2592
Pourpoint	°C	<-12	DIN ISO 3016
Neutralization number	mgKOH/g	0,06	DIN 51 558-1
Water content	Gew.-%	<0,01	DIN 51 777-1
Foaming volume at 25°C	ml	60	ISO 6247
Collapsetime of the foam at 25°C	s	245	ISO 6247
Restschaum nach 600s bei 25°C	ml	0	ISO 6247

Characteristics	Unit	Data	Audit
water separation	s	35	DIN 51 589-1
air release property at 50°C	min	3	DIN ISO 9120
purity degree		19/16/13	ISO 4406
Korrosionswirkung auf Kupfer		pass	DIN EN ISO 2160
Schadenskraftstufe (FZG-Test)		10	DIN ISO 14635-1

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