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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 ³ | 838 | EN ISO 12185 |
| Viscosity at 40°C | mm ² /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 |

| Characteristics | Unit | Data | Audit |
|---------------------------------------|-------------|-------------|-----------------|
| 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.