

Product Information

AVENO Turboflo TU 46

0002-000301



Description

AVENO Turboflo TU 46 is a high-quality lubricating oil for gas and steam turbines and for turbo-compressors with or without a gearbox, which meets the requirements of DIN 51 515-2. AVENO Turboflo TU 46 is made of selected base oils and a highly effective combination of additives. This guarantees very good corrosion protection and resistance to aging.

Instructions for use

AVENO Turboflo TU 46 is used in stationary gas turbines, steam turbines and in electric machines and machines driven by steam turbines. AVENO Turboflo TU 46 is also used for lubricating hydraulic systems, compressors, gear transmissions and bearings.

Quality classification

Specification

- British Standard BS 489
- CEGB Standard 207001
- DIN 51515-2 (L-TG)
- DIN 51515-1 (L-TD)
- MIL-PRF-17672 D

Recommendation

- Alstom HTGD 90117 V0001 S
- Brown Boveri HTGD 90117
- General Electric GEK 32568 A/C
- Siemens TLV 9013 04/01
- US Steel 120
- Westinghouse Electric Corp. Turbine Oil Spec.

Properties

- Very good thermal stability
- Excellent air release properties
- Low pour point
- Prevents foam formation
- Excellent viscosity-temperature characteristics
- Good wear performance
- Excellent corrosion protection

Technical specifications

| Properties | Data | Unit | Testing under |
|------------------------------|--------|--------------------|--------------------------|
| Kinematic Viscosity at 40°C | 46.0 | mm ² /s | DIN 51659-2:2017-02 |
| Kinematic Viscosity at 100°C | 7.8 | mm ² /s | DIN 51659-2:2017-02 |
| Viscosity Index | 138 | | DIN ISO 2909:2004-08 |
| Appearance | YELLOW | | VISUELL |
| Density at 15°C | 843 | kg/m ³ | DIN EN ISO 12185:1997-11 |
| Pour Point | -30 | °C | ASTM D 7346:2015 |