

LUKOIL TORNADO T 46

High quality synthetic turbine oil

Approvals

- Siemens TLV 901304/ TLV 901305
- ABB
- Ansaldo Energia
- BRUSH
- MAN Diesel & Turbo
- PJSC «Nizhnevartivskkremsservice»
- PJSC «Volgogradneftemash»
- JSC «Power Machines»
- JSC «Bobruisk Machine Building Plant»
- JSC «Aviadvigatel»

Meets requirements

- DIN 51515-2 (L-TG)/ 51515-1 (L-TD)
- ISO 8068 (L-TSA, L-TGA & L-THA)
- Siemens MAT 812109
- General Electric GEK 32568F/ GEK 46506D
- BS 489
- CEGB 207001
- Brown Boveri HTGD 90117
- MIL L-17672
- Solar ES 9-224
- Westinghouse Electric Corp. Turbine oil spec.
- U.S. Steel 120

Product description

Synthetic turbine oil designed with respect to most demanding industry specifications. Engineered to provide improved oxidation stability, advanced wear protection and good water separability, LUKOIL TORNADO T allows to extend oil drain interval and reduce equipment downtime.

Application

Designed for the lubrication of steam, gas and combined cycle gas turbines, including those coupled with gearboxes. The oil can also be used for other industrial applications, where turbine oil is required (e.g. turbo compressors).

Benefits

IMPROVED ANTI-WEAR PERFORMANCE

Provides reliable protection for both geared and non-geared turbines

LONG LIFE

The use of LUKOIL TORNADO T allows real cut in the operating costs for electricity production and increase equipment life.

EXCELLENT HYDROLYTIC STABILITY AND DEMULSIBILITY

Rapid water separation minimizes corrosion and premature wear

The product name in an order: Turbine oil LUKOIL TORNADO T 46, STO 79345251-036-2010

Typical test data

The information given in the typical data does not constitute a specification and can be affected by allowable production tolerances. The right to make modifications is reserved by OOO «LLK-International»

Property	Test methods	Value
Density at 20 °C, kg/m ³	ASTM D1298 / ASTM D4052	843
Kinematic viscosity at 40 °C, mm ² /s	ASTM D445	47.44
Viscosity index	ASTM D2270	132
Flash Point, COC, °C	ASTM D92	264
Pour Point, °C	GOST 20287 B	-25
FZG Scuffing, Fail stage	DIN ISO 14635-1, A/8.3/90	10
Air release, min	ASTM D3427 / ISO 9120	2.2
Water separability at 54 °C	ASTM D1401 / ISO 6614	
-time for separation, min		10
-volume of lays (oil-water-emulsion), ml		40-37-3
RPVOT, min	ASTM D2272	1,917