

## LUKOIL TORNADO T 32

High quality synthetic turbine oil

### Specifications

- Siemens TLV 901304, TLV 901305, MAT 812108
- Ansaldo Energia
- FLOWSERVE
- PJSC «Volgogradneftemash»
- JSC «Turboatom»
- DIN 51515-1 L-TD, 51515-2 L-TG
- General Electric GEK 32568F, GEK 46506D, GEK 101941A
- BS 489
- CEGB 207001
- U.S. Steel 120
- MAN Diesel & Turbo
- BRUSH
- PJSC «Nizhnevartivskkremsservice»
- JSC «Bobruisk Machine Building Plant»
- PJSC «The Ural Turbine Works»
- ISO 8068 L-TSA, L-TGA, L-THA
- Solar ES 9-224
- MIL L-17672
- Brown Boveri HTGD 90117
- Westinghouse Electric Corp. Turbine oil spec.

### 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

#### LONG LIFE

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

#### IMPROVED ANTI-WEAR PERFORMANCE

Provides reliable protection for both geared and non-geared turbines

#### EXCELLENT HYDROLYTIC STABILITY AND DEMULSIBILITY

Rapid water separation minimizes corrosion and premature wear

The product name in an order: Turbine oil LUKOIL TORNADO T 32, 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 <sup>3</sup>	ASTM D1298 / ASTM D4052	832
Kinematic viscosity at 40 °C, mm <sup>2</sup> /s	ASTM D445	30.1
Viscosity index	ASTM D2270	138
Flash Point, COC, °C	ASTM D92	235
Pour Point, °C	GOST 20287 B	-19
Air release, min	ASTM D3427 / ISO 9120	2.3
Water separability at 54 °C	ASTM D1401 / ISO 6614	
-time for separation, min		12
-volume of lays (oil-water-emulsion), ml		42-38-0
RPVOT, min	ASTM D2272	1,579