

LUKOIL Tp-22S grade 1

Industrial Turbine Oils

APPROVALS

State Enterprise Gas Turbine Scientific Production Complex ZORYA-MASHPROEKT
 CJSC URAL TURBINE WORKS
 Group HMS
 Nasosy PPD

PRODUCT DESCRIPTION

LUKOIL Tp-22S grade 1 industrial turbine oil is manufactured using high quality mineral base oils and additives that increase antioxidation, anticorrosion, foam suppression, and demulsifying properties.

LUKOIL Tp-22S grade 1 is recommended for use in bearings, auxiliary mechanisms and control systems of high-speed steam and gas turbines, as well as some types of centrifugal and turbo compressors. The oil don't contain extreme pressure additives (EP) and has been disigned for severe operating conditions and applications requiring high anticorrosion and antioxidation properties.

APPLICATION

LUKOIL TP-22S grade 1 is used in different turbines, including:

- Gas, steam, hydraulic turbines for power generation in high-powered plants
- Gas turbines in combined cycle power plants
- Systems with hydroelectric turbines
- Drive systems of gas or steam turbines

FEATURES AND BENEFITS

- Excellent oxidative stability
- Rust and corrosion protection
- High viscosity index
- Minimal cavitation
- Exceptional thermal stability
- High demulsifying properties
- Reduction of operation costs due to saving on downtime

The product name in an order:

Turbine oil Tp-22S grade 1, TU 38.101821-2013

TYPICAL TEST DATA

PROPERTY	Test methods	LUKOIL Tp-22S grade 1
ISO Grade		32
Density at 15°C, kg/m ³	GOST 51069 / ASTM D1298, ASTM D4052, ISO 12185, ISO 3675	870.1
Kinematic viscosity at 40 °C, mm ² /s	GOST 33 / ISO 2909, ASTM D445	31.1
Viscosity index	GOST 25371 / ISO 2909, ASTM D2270	98
Flash Point, COC, °C	GOST 4333 / ISO 2592, ASTM D92	208
Pour Point, °C	GOST 20287 B / ASTM D97	-15
Demulsification time, s	GOST 12068	120
Acid number, mg KOH/1 g oil	GOST 11362 / ISO 6619	0.04
Colour	GOST 20284 / ASTM D1500	0.5

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved by OOO "LLK-International".