

## Tp-22S grade 1

Industrial Steam & Gas Turbine Oil



Steam and gas turbines



High oxidation stability



Mineral



Excellent demulsibility



Corrosion protection

**Tp-22S grade 1** is high quality turbine oil designed for use in steam turbines and light duty stationary gas turbines. Tp-22S grade 1 is formulated with selected base stocks and highly effective additives to provide good oxidation stability, rust protection and excellent air release and rapid water separation. Tp-22S grade 1 provides a versatile lubricant source for a wide range of industrial equipment.

### Applications

- Industrial steam and light duty gas turbines which is not requiring improved antiwear properties for the gearboxes
- Hydroelectric turbine applications

Features	Advantages and Potential Benefits
Improved oxidation stability	Helps control deposit formation for reduced filter plugging and equipment fouling to decrease downtime and maintenance costs
Good demulsibility	Improves water removal system efficiency and minimizes oil replacement costs
Good rust and corrosion protection	Prevents corrosion of system components for reduced maintenance and prolonged equipment life
Ashless additive package	Lower deposits and reduced environmental impact

### Approvals

- RAO UES
- Turboatom
- All-Russian Thermal Engineering Institute (VTI)

### Typical Characteristics

Properties	Method	Tp-22S grade 1
ISO Viscosity Grade		32
Kinematic Viscosity @40°C, mm <sup>2</sup> /s	ASTM D445	31,4
Viscosity Index	ASTM D2270	95
Flash Point (COC), °C	ASTM D92	215
Pour Point, °C	ASTM D97	-15
Density @15°C, kg/m <sup>3</sup>	ASTM D4052	876
Total Acid Number, mg KOH/g	ASTM D664	0,05

### Health, Safety & Environment

Information is provided for products in the relevant Safety Data Sheet (SDS). This provides guidance on potential hazards, precautions and first-aid measures, together with environmental effects and disposal of used products. SDS's are available upon request through your sales contract office. This product should not be used for purposes other than its intended use.