



## TURBINEX TU 68

QUALITY CLASS: ISO L-TSA, L-TGA, L-TSE, L-TGE  
VISCOSITY GRADE: ISO VG: 68

### GENERAL FEATURES:

Turbinex TU 68 turbine oils are obtained from carefully selected high-quality hydrofined base oils. They contain optimally matched enhancement additives, such as antioxidants, corrosion inhibitors, non-ferrous metal passivators as well as extreme pressure additives. With their unique properties, they ensure longer intervals between oil changes, shorter down-times, lower turbine overhaul and maintenance costs as well as less failures. They provide ultimate filterability even in systems contaminated with small amounts of water. The oils are approved by world's leading turbine manufacturers.

They are characterized by:

- good air separation properties
- excellent resistance to oxidation
- excellent filterability
- excellent corrosion and rust resistance
- excellent wear resistance
- excellent emulsification and foaming resistance

### APPLICATION:

TU 68 turbine oils are used primarily for lubricating and cooling bearings in steam and water turbines that are equipped with toothed gears. They can be used in lightly loaded gas turbines under normal operating conditions. They are also suitable for use as hydraulic fluids in turbine adjustment systems and for lubricating turbochargers in marine main engines and auxiliary engines, propelled with exhaust gases. These oils are also intended for circulation systems in machines that require the quality of turbine oils, e.g. in turbochargers and turbine-driven pumps.

### STANDARDS, APPROVALS. SPECIFICATION:

DIN 51515 Part 1,  
ISO 8068

### PHYSICAL AND CHEMICAL PROPERTIES:

Parameter	Unit	Typical values
Kinematic viscosity at 40°C	mm <sup>2</sup> /s	65,3
Pour point	°C	-9
Flash point – open cup	°C	230
Acid number	mgKOH/g	0,12
Water content	ppm	50
Water separability	s	180
Foaming, I seq.	[ml/ml]	80/0



Air release at 50°C	min	6
Copper corrosion 3h/100°C	-	1A
Rust-preventing characteristics, - Procedure B	-	pass
Demulsibility at 54°C 40-37-3	min	15
Oxidation stability: time to increase of total acid number up to 2 mg KOH/g	h	> 3000
Oxidation stability: - all oxidized products - deposits	% m/m	0,45 0,16
Filterability, dry Stage I Stage II	%	88,9 85,0
FZG test	stage	9

Note: The above values of physical and chemical properties are typical values. Actual values are specified in quality certificates enclosed with each product lot.

**VERSION:**

1 / 2023.07.17

