

TURBINEX TG 46

Quality class: ISO L-TSB, L-TGSB, L-TGF, L-TGSE
Viscosity grad: ISO VG: 46

GENERAL FEATURES:

High-quality Turbinex TG 46 turbine oils with enhanced thermo-oxidative resistance are obtained from carefully selected high-quality hydrofined mineral 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. Their well developed formula makes it possible to lubricate turbine systems operated in combined cycles. 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
- good resistance to sludge and deposit accumulation
- excellent filterability
- excellent corrosion and rust resistance
- excellent wear resistance
- excellent emulsification and foaming resistance

APPLICATION:

Turbinex TG 46 turbine oils are used primarily for lubricating and cooling bearings in gas turbines, steam turbines and gas and steam turbines operated in combined cycles and equipped with toothed gears. The oils have been designed with turbine systems with elevated working temperatures and pressures in mind. 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
DIN 51515 Part 2
ISO 8068 Approvals:
Siemens 901305
Siemens 901304
Alstom HTGD 90117 (VG 32)
Skoda Power Conforms to:
GEK 32568f
BS 489

PARAMETERS	UNIT	TYPICAL VALUES
Kinematic viscosity at 40°C	mm ² /s	44,2
Pour point	°C	-12
Flash point – open cup	°C	236
Acid number	mgKOH/g	0,1
Water content	ppm	20
Foaming, I seq.	[ml/ml]	30/0
Water separability	s	160
Air release at 50°C	min.	3
Copper corrosion 3h/100°C	-	1A
Rust-preventing characteristics, - Procedure B	-	Pass
Demulsibility at 54°C 40-37-3	min.	10
Oxidation stability: time to increase of total acid number up to 2 mg KOH/g	h	> 4000
FZG test	stage	9
RBOT test	min	> 750
Filterability, dry, Stage I	%	96,8

NOTE:
Physicochemical parameters listed in the table are typical values. Real values are stated in quality control certificates attached to each product lot.

