

TURBINEX TG PREMIUM 46

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

GENERAL FEATURES:

High quality turbine oils Turbinex TG Premium with superior thermooxidative stability are made with high quality hydrocracked base oils group III. Oils contain a carefully balanced innovative additives such as antioxidants, corrosion inhibitors, non-ferrous metals deactivators and extreme pressure additives. With the unique properties oils provide extended drain intervals, reduce downtime, maintenance costs and preservations of turbine systems, and reduce failures. Unique designed oils formulation also provides lubrication of combined cycle system turbines. They provide very good filterability even in systems contaminated with small amounts of water. Oils meet the requirements of the world's leading turbine manufacturers.

Characterized by:

- high air release properties,
- very high resistance to oxidation,
- high resistance to sludge and deposit formation,
- very good filterability,
- very good corrosion properties,
- very good antiwear properties,
- very good resistance to emulsification and foaming,

APPLICATION:

Turbine oils Turbinex TG Premium are used primarily for the lubrication and cooling of bearings of gas and steam turbines, gas-steam combined cycle turbines CCGT, also equipped with gears. Oils designed for turbine systems where are elevated work temperatures and pressures. They can also be used as hydraulic fluids in the turbine control systems and for lubricating marine turbochargers of main and auxiliary engines powered by exhaust gases. In machine circulating systems requiring turbine oils quality oils, such as turbochargers, turbine pumps.



STANDARDS, APPROVALS. SPECIFICATION:

DIN 51515 cz.1,
DIN 51515 cz.2,
ISO 8068,

Approvals:
Siemens 901305
Siemens 901304
Alstom HTGD 90117
Skoda Power

Meet requirements:
GEK 32568F
GEK 107395A
BS 489

PARAMETERS	UNIT	TYPICAL VALUES
Kinematic viscosity at 40°C	mm ² /s	43,6
Viscosity index	-	132
Pour point	°C	-15
Flash point – open cup	°C	260
Acid number	mgKOH/g	0,1
Water content	ppm	10
Foaming, I seq.	[ml/ml]	30/0
Water separability	s	120
Air release at 50°C	min.	1,2
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	> 10 000
FZG test	stage	10
RBOT test	min	> 2000
Filterability, dry Stage I	%	95

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

