TURBINEX TU 46

Quality class: ISO L-TSA, L-TGA, L-TSE, L-TGE
Viscosity grad: ISO VG: 46

GENERAL FEATURES:

Turbinex TU 46 turbine oils are obtained from select, high quality hydrofined base oils. They contain innovative and optimally selected improvers such as antioxidants, corrosion inhibitors, passivators of non-ferrous metals, and extreme pressure additives. Thanks to their exceptional properties, they ensure longer periods of operation between oil changes, reduce outage times and costs of overhaul and maintenance of turbine structural systems, and also limit malfunctions. They provide very good filterability, even in systems contaminated with small amounts of water. Turbinex TU 46 oils possess approvals from leading turbine manufacturers around the world.

They are characterized by:
- a high capacity to release air,
- very high resistance to oxidation,
- very good filterability,
- very good anti-corrosion and anti-rust properties,
- very good anti-wear properties,
- very good resistance to emulsification and foaming

APPLICATION:

TU 46 turbine oils are used, above all, to lubricate and cool the bearings of steam and water turbines that are also equipped with gear transmissions. These oils can also be used in gas turbines operating at moderate capacity under normal operating conditions. They can also be applied as hydraulic fluids in turbine regulation systems and for lubrication of, among other things, main and auxiliary engine turbochargers on water vessels powered with waste emission gases. Another application is in the circulation systems of machines that require oils of turbine oil quality, like in turbocompressors and turbine pumps.

ORLEN OIL Sp. z o.o.
ul. Opolska 114, 31-323 Kraków,
tel. +48 12 665 55 00,
fax +48 12 665 55 01,
e-mail: centrala@orlenoil.pl,
infolinia: 0 801 102 103

TURBINE OILS

STANDARDS, APPROVALS. SPECIFICATION:

DIN 51515 cz.1,
ISO 8068
Approvals VG 32, 46
Siemens 901304 (VG 32, 46)
Skoda Power (VG 32, 46)
Alstom HTGD 90117 (VG 32)

PARAMETERS	UNIT	TYPICAL VALUES
Viscosity index	-	>91
Kinematic viscosity at 40°C	mm^2/s	41,5
Pour point	°C	-12
Flash point – open cup	°C	232
Acid number	mgKOH/g	0,1
Water content	ppm	20
Water separability	s	180
Foaming, I seq.	[ml/ml]	30/0
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	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	0,27 0,12
Filterability, dry Stage I Stage II	%	97,1 91,4

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

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