

Industrial Steam and Gas Turbine oil

Product Description

The DAYAN Turbine Oil T range has been developed to meet the lubrication requirements for turbines and turbocompressors where a mineral-based oil is required. The additive treatment ensures good anti-oxidation, anti-corrosion and demulsification properties, and absence of foaming in service.

Features and benefits

- Long service life
- Wide range of applications
- Trouble-free operation for extended periods
- Excellent thermal and Oxidation stability
- Outstanding rust and corrosion inhibiting
- Low temperature applicable
- Excellent water separability

Application

The grades in this range meet the lubrication requirements of steam turbines, but are also suitable for gas turbines and compressors. DAYAN Turbine Oil adequate for equipment where manufacturers specify or accept RPVOT of 900 minutes.

SPECIFICATIONS

- DIN 51515-1 TD
- DIN 51515-2 TG
- ALSTOM HTGT 90117
- Siemens TLV 901304

Product and environmental safety

DAYAN Turbine Oil T Series are Unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standard of Industrial and personal hygiene are maintained. Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water. Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

The DAYAN trademark is registered and protected in Iran.

Technical Data

Test	Units	Method	T 32	T 46	T 68	T 100	T 150
ISO Viscosity Grade	-	-	32	46	68	100	150
Base Oil Type	-	-	Mineral	Mineral	Mineral	Mineral	Mineral
Relative Density at 15°C	g/ml	ASTM D4052	0.86	0.86	0.87	0.87	0.87
Kinematic Viscosity at 40°C	mm ² /s	ASTM D445	32.0	46.0	68.0	100.0	150
Kinematic Viscosity at 100°C	mm ² /s	ASTM D445	5.4	6.8	8.8	11.5	15
Viscosity Index	-	ASTM D2270	102	101	102	102	100
Colour	-	ASTM D1500	1	1	1	1	1.5
Flash Point	°C	ASTM D92	215	220	230	240	240
Pour Point	°C	ASTM D5985	-30	-24	-21	-21	-21
Total Acid Number	mg KOH /g	ASTM D974	0.10	0.10	0.10	0.10	0.10
Air Release, Minutes	max	ASTM D3427	5	5	5	7	8
Rust Control	-	ASTM D665B	Pass	Pass	Pass	Pass	Pass
Oxidation Control Test-RPVOT- minutes	min	ASTM D2272	900	900	900	500	400

Note:

1- The Typical characteristics are given as a guide only and may vary according to latest production according to ISO.