



## Eni OTE

**Eni OTE** is a series of high-quality turbine oils, formulated for the most severe application conditions in vapour, water and gas turbines. This is ensured due to the application of Group II base oils and the latest additive technology.

### Characteristics (typical figures):

Eni OTE	Unit	32	46	68	Test method	
Kin. Viscosity	at 40°C	mm <sup>2</sup> /s	32	46	64	ASTM D 445
	at 100°C	mm <sup>2</sup> /s	5,45	7,09	8,93	DIN 51550
Viscosity index		119	113	114	DIN ISO 2909	
Density at 15°C	kg/m <sup>3</sup>	860	861	861	ASTM D 1298	
Flashpoint o. C.	°C	220	226	240	ASTM D 92	
Pourpoint	°C	-12	-12	-15	ASTM D 97	
Designation		L-TD	L-TD	L-TD	DIN 51 502	
ISO-VG-class		32	46	68		

### Properties and performance:

- The high Viscosity index minimizes changes in Viscosity throughout the normal temperature range, thus ensuring that a proper lubricant film is maintained even at high operating temperatures.
- **Eni OTE** oils have especially high oxidation and ageing resistance and do not form either sludge or deposits. They are therefore suitable for extended service. Indeed they exceed 4000 hours in the turbine Oil Stability Test (TOST) and amply exceed the oxidation levels of IP 280 (CIGRE) test.
- Their excellent anticorrosion and antirust properties provide effective protection of all lubricated parts, the oil circuit, storage tanks, heat exchangers, etc.
- Due to best antifoam properties and excellent air release properties the lubrication film safety is guaranteed and air locks and cavitation effectively prevented.
- The good demulsifying behaviour ensures a fast separation of entrained water and counteracts the formation of emulsion and ensures a stable lubrication film. This is a basic requirement for a perfect lubrication and minimum friction and wear.

### Applications:

**Eni OTE** are especially suitable for the lubrication of bearings and control system in vapour, water and gas turbines. Other possible uses are in turbo-blowers, hydraulic system, air compressors with medium up to high final compression temperatures and all other applications requiring a high-quality lubricant with fast water separation.



## Eni OTE

---

### Specifications:

**Eni OTE** meets the requirements of the following specifications and classifications:

- ISO 8068 TSA/TGA
- DIN 51515-1 TD
- BS 489:1999
- Ansaldo Energia 606W807 Rev.C (2012) (OTE 32 + 46)
- Ansaldo Energia W 3.1-0171-16000 (OTE 46)
- GE GEK 28143B
- Siemens TLV 9013 04 (OTE 32 + 46)
- ALSTOM HTDG 90117 V0001 X (OTE 46)
- ASTM D 4304 Type I
- JIS K 2213 -1983 Type II
- Doosan Skoda Power (OTE 32 + 46)
- Nuovo Pignone SOM 17366 (OTE 32 + 46)
- Mitsubishi Spec. NO. E00-001 Rev.2 (OTE 32 + 46)
- CEI 10-8 (1994)
- ITN52220.02 (OTE 32 + 46)
- ITN52220.03 (OTE 32)
- ABB Turbo HZTL 90617 (OTE 68)