



Turbine Oil

Premium Industrial Turbine Oils

Eterna Turbine oils have been specially formulated to meet performance requirements of high out-put steam turbines used in today's power industry. They are based on a blend of specially chosen highly refined mineral oils to provide superior oxidation stability, thermal stability and ensure a high level of cleanliness.

Applications

- Power generation steam turbines
- Industrial steam turbines
- Gas Turbines and combined cycle turbines
- Certain industrial gear units
- High speed gears
- Certain oil-lubricated bearings

HSE: Health, Safety & Environment

Turbine Oil is unlikely to present any significant HSE hazard when properly used in the recommended application whilst good industrial, personal hygiene and environmental standards are maintained.

Avoid contact with skin. Use impervious gloves with used oil. In the event of skin contact, wash immediately with soap and water.

Dispose used oil safely. Do not discharge into drains, soil, or water.

Performance Features

- Provides excellent oxidation stability
- Surpasses GEK requirements for modified RBOT procedure
- Low copper activity and excellent rust protection
- Outstanding water shedding in regular and steam demulsibility tests
- Low foaming
- Low filter blockage tendency

Performance Specifications

Turbine Oil meets the following performance standard:

Typical Physical Characteristics

Name	Units	Turbine Oil			
SAE Viscosity Grade		32	46	68	100
Kinematic Viscosity @ 40°C	mm ² /s	30	31	66	100
@ 100°C	mm ² /s	5.12	6.6	8.5	11.1
Viscosity Index		97	97	96	95
Density @20°C	kg/l	0.870	0.875	0.880	0.882
Flash Point (COC)	°C	210	215	220	240
Pour Point	°C	-21	-18	-18	-15
Copper corrosion	mg KOH/g	1A	1A	1A	1A
Neutralization number		0.006	2	2	3

These characteristics are typical of current production. Whilst future production will conform to Eterna specification, variations in these characteristics may occur.

Advice

Advice on applications not covered in this leaflet may be obtained from Eterna PLC, 5a Oba Adeyinka Oyekan Avenue, Ikoyi.

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