

# Mabanol Turbine Oil

## Turbine Oils

### Application

Mabanol Turbine Oils are designed to service highly stressed steam and industrial gas turbines as well as turbo compressors. Selected additives ensure maximum oil drain intervals even at unfavourable oxidative and thermal loads.

Mabanol Turbine Oils are also used for lubrication in transmissions as well as in hydraulic and circulating systems in cases where the manufacturer has specified turbine oil properties.

### Properties

Mabanol Turbine Oils are gas turbine oils produced from top quality base oil refining yields. Their outstanding qualities include their exceptional thermal and ageing stability, very good air release properties, excellent resistance to foaming and high corrosion protection.

The addition of additives in the requisite proportions allows Mabanol Turbine Oils to meet and exceed the requirements of manufacturers of steam and gas turbines and turbo compressors.

### Standards

- DIN 51 515 Part 1 L-TD
- DIN 51 515 Part 2 L-TG
- DIN 51 524 Part 1 HL
- ISO/ 8068 L-TSA, L-TGA, L-TGB, L-TGSB

### Recommended for

- ABB/Alstom HTGD 90117
- ABB-Stal-VTI 3200-3, 9812108
- BS 489
- MIL-L-17672-D
- MIL-L-17331-B / -G
- AFNOR E-48600 HL
- Solar ES9-224U
- General Electric GEK 28143A / 32568H
- General Electric GEK 107395A / 46506D
- US Steel 120
- CEGB Standard 207001
- Mitsubishi Heavy Industries E00-87182
- Cincinnati Machine P-38(32), P-45, P-54(68), P-55(46)
- Westinghouse 21T0591 und 55125Z3
- Siemens TLV 90 13 04
- MAN Turbomaschinen

### Data

### Viscosity Classification

	Test method	Unit	46	68
Density at 15°C	DIN 51 757	g/cm <sup>3</sup>	0,870	0,873
Kin. Viscosity at 40°C	DIN EN ISO 3104	mm <sup>2</sup> /s	45,9	68
Kin. Viscosity at 100°C	DIN EN ISO 3104	mm <sup>2</sup> /s	6,7	8,6
Flash point COC	DIN EN ISO 2592	°C	240	256
Pourpoint	DIN ISO 3016	°C	-12	-9
Neutralization number	DIN ISO 6618	mg KOH/g	0,04	0,04
Air release properties at 50°C	DIN ISO 9120	min	4	4
Water separation ability	DIN 51 589	s	70	50

Updated in January 2024

The above values may vary within the commercial limits.

Customs Tariff No.: 2710 1981