



IPT International Petroleum Trading LTD  
Robert-Bosch-Strasse 12  
25335 Elmshorn  
Company registration number: HRB 13315 PI  
Sales tax identification number: DE313987910  
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product certificate TIPP-OIL Turboflo TU 46

#### Description of the

TIPP-OIL Turboflo TU 46 is a high-quality lubricating oil for gas and steam turbines as well as for turbo compressors with and without gears, which meets the requirements of DIN 51 515-2.

TIPP-OIL Turboflo TU 46 consists of the selected base oils and a highly effective

Additive combination. This guarantees very good corrosion protection and resistance to ageing.

#### Instructions for use

TIPP-OIL Turboflo TU 46 is used in stationary gas turbines, steam turbines, electric machines and machines driven by steam turbines.

TIPP-OIL Turboflo TU 46 is also used for the lubrication of hydraulic systems, compressors, gear transmissions and bearings.

#### Quality Classification

specifications

DIN 51515, part 1 (L-TD), part 2 (L-TG)

TIPP-OIL Turboflo TU 46 is proven in practice and tested in units with filling regulations:

British Standard BS 489

CEGB Standard 207001



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General Electric GEK 32568 A/C

MIL-L-17672 D

Alstom HTGD 90117 V0001 S

Brown Boveri HTGD 90117

U.S.Steel 120

Westinghouse Electric Corp. Turbine Oil Spec.

Siemens TLV 9013 04/01

#### Features & Benefits

Very good thermal stability

Excellent viscosity-temperature behavior

Excellent air separation capacity

Good wear behaviour

Low pour point

Very good corrosion protection Prevention of foam formation

#### Technical characteristics

Properties Data Unit Test according to

kinematic viscosity at 40°C 46.230 MM<sup>2</sup>/S DIN ISO 51562-2

kinematic viscosity at 100°C 7.590 MM<sup>2</sup>/S DIN ISO 51562-2

viscosity index 131 DIN ISO 2909

appearance YELLOW visual

density at 15°C 843,0 KG/M<sup>3</sup> DIN EN ISO 12185

Pour Point -33 CELSIUS ASTM D 7346



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All data given are approximate values and are subject to the usual production fluctuations.

To the best of our knowledge, all data correspond to the current state of knowledge and our development. We reserve the right to make changes. All references to DIN standards are for product description purposes only and do not constitute a guarantee. In the event of any problems, request technical advice.

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