

Oscar HDM Turbine Oil TO

PRODUCT DESCRIPTION

Oscar HDM Turbine Oil TO Series are for use in modern steam and medium duty gas turbines. It has been designed to enable the higher oxidation performance required by modern turbine oil specifications including RPVOT and TOST requirements.

APPLICATION

- Electric power generation for high output base load utilities
- Gas Turbine Combined Cycle Power Plants operating in base load or peak generation modes
- Gas turbines in Captive Power plants
- Gas or steam turbine prime movers
- Hydroelectric turbine applications

PROPERTIES

- Enhanced oxidation resistance
- Outstanding demulsibility
- Excellent filtration performance even in the presence of water and calcium contamination
- Outstanding rust and non-ferrous corrosion protection

PERFORMANCE LEVELS

Meets and exceeds:

- L-TD and L-TG turbine oils acc. to DIN 51 515-1 and -2.
- ASTM D-4304 Type I & Type III
- Alstom HTGD 90017
- British Standard BS 489
- DIN 51515 Part 1 & Part 2
- General Electric GEK-32568F
- ISO 8068 TGB TGSB & ISO 8068 TSA TGA
- ISO 11158 HH & HL
- Siemens AG TLV 9013 05 High Thermal Stability
- Siemens AG TLV 9013 04 Standard Thermal Stability

TYPICAL PROPERTIES

PARAMETERS	TEST METHOD	UNIT	OSCAR HDM TURBINE OIL TO		
Product Name	-	-	32	46	68
Density at 15 °C, kg/m ³	ASTM D4052	kg/m ³	850	860	865
Flash point Cleveland, °C	ASTM D92	°C	225	238	248
Kinematic viscosity at 40 °C, mm ² /s	ASTM D445	mm ² /s	31	44	65
Kinematic viscosity at 100 °C, mm ² /s	ASTM D445	mm ² /s	5.8	6.9	8.5
Viscosity Index	ASTM D2270	-	115	115	112
Pour Point, °C	ASTM D5950	°C	-30	-30	-30

The values shown above are typical values at the date of publication. Oscar Lubricants reserves the right to change these typical values without prior notice

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website www.oscarlubricants.com