Oscar HDM Turbine Oil STO 32

PRODUCT DESCRIPTION

Oscar HDM Turbine Oil STO 32 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:

ASTM 4304-13 Type I & III
GB (China) 11120-2011, L-TGA, L-TSA, L-TGSB
DIN 51515 Part 1 L-TD & Part 2 L-TG, 51524-1 HL
ISO 8068:2006 L-TGB, 8068:2006 L-TGSB
Siemens Power Generation, spec TLV 9013 04 and TLV 9013 05
General Electric GEK 32568K, 46506e, 28143b, 107395a and 120498
Alstom HTGD 90117 V 0001 AA
Dresser Rand 003-406-001 type I & III
Westinghouse 21 TO591 and 55125Z3 and Eng Spec DP21T-00000443
Solar ES 9-224Y Class II
MAN D&T SE TED 10000494596
Elliott Turbo-machinery X-18-0004
GE Oil and Gas – Appropriate Specification listed under document ITN52220.04
MS04-MA-CL001 (Rev.4), MS04-MA-CL002 (Rev.4) and MS04-MA-CL005 (Rev.2)

TYPICAL PROPERTIES

PARAMETERS	TEST METHOD	UNIT	Oscar HDM Turbine Oil STO 32
Density at 15 °C, kg/m3	IP 365	g/cm3	827
Flash point Cleveland, °C	ASTM D92	°C	230
Kinematic viscosity at 40 °C, mm2/s	ASTM D445	mm2/s	32
Kinematic viscosity at 100 °C, mm2/s	ASTM D445	mm2/s	6.1
Viscosity Index	ASTM D2270	-	140
Pour Point, °C	ASTM D5950	°C	-45

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