

ExxonMobil Mobil Avrex S Turbo 256

Category : Fluid , Lubricant

Material Notes:

Mobil Avrex S Turbo 256 gas turbine lubricant is a combination of a highly stable synthetic base fluid and a unique chemical additive package. The combination provides outstanding thermal and oxidative stability to resist deterioration and deposit formation in both the liquid and vapor phases, as well as excellent resistance to foaming. The effective operating range of Mobil Avrex S Turbo 256 is between -54°C and 176°C (-65°F and 350°F). The pour point is below -60°C (-75°F). The product has a high specific heat in order to ensure good heat transfer from oil-cooled engine parts. In extensive laboratory testing and in-flight performance, Mobil Avrex S Turbo 256 exhibits excellent bulk oil stability at temperatures up to 176°C (350°F). The evaporation rate at these temperatures is low enough to prevent excessive loss of volume. Mobil Avrex S Turbo 256 is recommended for aircraft gas turbine engines in commercial and military service, particularly where start-up temperatures are below -40°C (-40°F). The product is approved against U.S. Military Specification MIL-PRF-7808, Grade 3, and by the following engine and accessory manufacturers: Approved in equipment specifying 3 centistokes, MIL-PRF-7808 (latest revision) lubricants. Mobil Avrex S Turbo 256 is compatible with other synthetic gas turbine lubricants meeting MIL-PRF-7808 or MIL-PRF-23699 Specifications. However, mixing with other products is not recommended because the blend would result in some loss of the performance characteristics of Mobil Avrex S Turbo 256. The product is compatible with all metals used in gas turbine construction, as well as with F rubber (Viton A), H rubber (Buna N), and FVMQ rubber (fluorosilicone).

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Mobil-Avrex-S-Turbo-256.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.9634 g/cc	0.9634 g/cc	15°C
Viscosity Measure	10459 cSt	10459 cSt	Kinematic Viscosity after 3 hr
	@Temperature -51.0 °C	@Temperature -59.8 °F	
Kinematic Viscosity at 40°C (104°F)	10495 cSt	10495 cSt	Kinematic Viscosity after 72 hr
	@Temperature -51.0 °C	@Temperature -59.8 °F	
Kinematic Viscosity at 100°C (212°F)	3.3 cSt	3.3 cSt	
Evaporation Loss	19.6 %	19.6 %	6.5 hr @ 204°C

Thermal Properties	Metric	English	Comments
Pour Point	-60.0 °C	-76.0 °F	
Flammability Test	256	256	Fire Point [°C]
Flash Point	224 °C	435 °F	

Chemical Properties	Metric	English	Comments
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Chemical Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Foam Sequence III, ASTM D893		10.6	FS Rubber, 72 hr @ 150°C
Foam Volume/Collapse Time, mL/sec		100/60 (max)	Dynamic
		20/6	Static
Rubber Swell, %		19.1	F Rubber, 72 hr @ 175°C
		28.6	H Rubber, 168 hr @ 70°C

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