ExxonMobil Mobil Jet Oil 254

Category : Fluid , Lubricant

Material Notes:

Mobil Jet Oil 254 is a third-generation, extra high performance, synthetic aircraft-type gas turbine lubricant engineered to meet the performance requirements for gas turbine engines used in commercial and military aircraft. This product is formulated from a specially prepared, hindered-ester base stock and fortified with a unique chemical additive package. The result is a product having superior thermal and oxidation stability that resists deterioration and deposit formation while maintaining the physical characteristics required by builder and military specifications. The physical properties of Mobil Jet Oil 254 are similar to those currently available, earlier-generation gas turbine lubricants. The effective operating range of the lubricant is between -40°C (-40 °F) and 232°C (450°F).Mobil Jet Oil 254 is recommended for aircraft gas turbine engines of the turbo-jet, turbo-fan, turbo-prop, and turbo-shaft (helicopter) types used in commercial and military service. It is also suitable for aircraft-type gas turbine engines used in industrial or marine applications. Mobil Jet Oil 254 is approved against the High Thermal Stability (HTS) classification of U.S. Military Specification MIL-PRF-23699. It is also compatible with other synthetic gas turbine lubricants meeting MIL-PRF-23699. However, mixing with other products is not recommended because the blend would result in some loss of the superior performance characteristics of Mobil Jet Oil 254. Mobil Jet Oil 254 is completely compatible with all metals used in gas turbine construction, as well as with F Rubber (Viton A), H Rubber (Buna N), and other commonly used seal materials.

Order this product through the following link:
http://www.lookpolymers.com/polymer_ExxonMobil-Mobil-Jet-Oil-254.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.0044 g/cc	1.0044 g/cc	
Viscosity Measure	11500 cSt @Temperature -40.0 °C	11500 cSt @Temperature -40.0 °F	Kinematic Viscosity; ASTM D445
Kinematic Viscosity at 40°C (104°F)	26.4 cSt	26.4 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	5.30 cSt	5.30 cSt	-2.2 change @ -40°C after 72 hours; ASTM D445
Evaporation Loss	2.1 %	2.1 %	6.5 hr @ 204 C, 29.5" Hg
	7.4 %	7.4 %	6.5 hr @ 232 C, 19.5" Hg
	25.2 %	25.2 %	6.5 hr @ 232 C, 5.5" Hg

Thermal Properties	Metric	English	Comments
Pour Point	-62.0 °C	-79.6 °F	ASTM D97
Flammability Test	288	288	Fire Point [°C]
	399	399	Auto Ignition [°C]
Flash Point	254 °C	489 °F	ASTM D92

Thermal Properties	Metric	English	Comments
Chemical Properties	**Metric**	**English**	**Comments**
Total Acid Number	0.080	0.080	mgKOH/g

Descriptive Properties	Value	Comments
Foam Sequence I, ASTM D1131	0/0	
Foam Sequence II, ASTM D893	10/0	
Foam Sequence III, ASTM D893	8/0	
Foam Stability, after 1 min settling, mL	0	
Rubber Swell, %	20	H Rubber, 72 hr @ 70°C
	20.8	F Rubber, 72 hr @ 204°C
Ryder Gear, Ave, lb/in % Hercolube A	2715144	
Sonic Shear Stability, KV change %	0.7	@ 40°C

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