

## ExxonMobil Mobil Jet Oil II

Category : Fluid , Lubricant

### Material Notes:

Mobil Jet Oil II is a high performance aircraft-type gas turbine lubricant formulated with 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 vapour phases, as well as excellent resistance to foaming. The effective operating range of Mobil Jet Oil II is between -40°C (-40 °F) and 204 °C (400°F). Mobil Jet Oil II is engineered for aircraft gas turbine engines used in commercial and military service requiring MIL-PRF-23699 level performance. It also is recommended for aircraft-type gas turbine engines in industrial or marine service applications. Mobil Jet Oil II is recommended for aircraft gas turbine engines of the turbo-jet, turbo-fan, turbo-prop, and turbo-shaft (helicopter) types in commercial and military service. It is also recommended for aircraft-type gas turbine engines used in industrial or marine applications. Mobil Jet Oil II is approved against 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 performance characteristics of Mobil Jet Oil II. Mobil Jet Oil II is compatible with all metals used in gas turbine construction, as well as with F Rubber (Viton A), H Rubber (Buna N), and silicone seal materials.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Mobil-Jet-Oil-II.php](http://www.lookpolymers.com/polymer_ExxonMobil-Mobil-Jet-Oil-II.php)

Physical Properties	Metric	English	Comments
Density	1.0035 g/cc @Temperature 15.0 °C	0.036254 lb/in <sup>3</sup> @Temperature 59.0 °F	ASTM D4052
Viscosity Measurement	0.150	0.150	% change @ -40°C after 72 hours
Viscosity Measure	11000 cSt @Temperature -40.0 °C	11000 cSt @Temperature -40.0 °F	Kinematic Viscosity; ASTM D445
Kinematic Viscosity at 40°C (104°F)	27.6 cSt	27.6 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	5.1 cSt	5.1 cSt	ASTM D445
Evaporation Loss	3.0 %	3.0 %	6.5 hr @ 204 C, 29.5" Hg
	10.9 %	10.9 %	6.5 hr @ 232 C, 19.5" Hg
	33.7 %	33.7 %	6.5 hr @ 232 C, 5.5" Hg

Thermal Properties	Metric	English	Comments
Pour Point	-59.0 °C	-74.2 °F	ASTM D97
Flammability Test	285	285	Fire Point [°C]
	404	404	Auto Ignition [°C]
Flash Point	270 °C	518 °F	ASTM D92

Thermal Properties	Metric	English	Comments
Chemical Properties	Metric	English	Comments
Total Acid Number	0.030	0.030	mgKOH/g

Descriptive Properties	Value	Comments
Foam Sequence I, ASTM D1130	8/0	
Foam Sequence II, ASTM D893	10/0	
Foam Sequence III, ASTM D893	8/0	
Foam Stability, after 1 min settling, mL	0	
Rubber Swell, %	15.6	F Rubber, 72 hr @ 204°C
	16.4	H Rubber, 72 hr @ 70°C
Ryder Gear, Ave, lb/in % Herculube A	2750115	
Sonic Shear Stability, KV change %	0.9	@ 40°C

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