

ExxonMobil 20W-50 Exxon Aviation Oil Elite

Category : Fluid , Lubricant

Material Notes:

Aviation Oil Elite 20W-50 is a premium quality, semi-synthetic, ashless-dispersant aviation piston engine oil. It is formulated from select, highly refined mineral base oils, a polyalphaolefin synthetic base oil, and ashless performance additives providing outstanding engine cleanliness, wear protection, and corrosion protection. Aviation Oil Elite 20W-50 is designed to satisfy the requirements of all opposed piston engine manufacturer's requirements under a wide range of climatic conditions. Exxon Aviation Oil Elite 20W-50 is U.S. Military approved under SAE J1899, which replaced MIL-L-22851D and is listed in the U.S. Military Qualified Products List QPL-1899. It is approved by and included in the Qualified Products Lists of Teledyne Continental, and Textron Lycoming and it is designed to satisfy the requirements of all opposed piston engine manufacturers. It provides an alternate means of compliance with FAA AD 80-04-03-R2 par.b.1. New or newly overhauled aircraft engines should be broken in according to the engine builder's recommended procedure. Many engine manufacturers advise running in on straight mineral oils for the first 25 to 50 hours of operation. In all cases, however, the engine manufacturers recommendations should be followed, since the run in procedure can vary from engine to engine. Aviation Oil Elite is compatible with non-dispersant mineral oils as well as other ashless-dispersant oils that meet the requirements of MIL-L-22851D/SAE J1899. It can also be used in high-time engines that have previously used a straight mineral oil. In this case it is advisable to carry out the oil-screen inspection recommended by the engine manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-20W-50-Exxon-Aviation-Oil-Elite.php

Physical Properties	Metric	English	Comments
Density	0.877 g/cc	0.0317 lb/in ³	ASTM D4052
	@Temperature 15.6 °C	@Temperature 60.1 °F	
API Gravity	29.7 °	29.7 °	
Viscosity	5.4 cP	5.4 cP	High Temperature High Shear (HTHS); ASTM D4683
	@Temperature 150 °C	@Temperature 302 °F	
	7060 cP	7060 cP	Cold Cranking Simulator (CCS); ASTM D5293
	@Temperature -15.0 °C	@Temperature 5.00 °F	
Viscosity Measurement	130	130	Index; ASTM D2270
Kinematic Viscosity at 40°C (104°F)	180 cSt	180 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	20.2 cSt	20.2 cSt	ASTM D445
Ash	0.00 %	0.00 %	SAE J1747

Thermal Properties	Metric	English	Comments
Pour Point	-27.0 °C	-16.6 °F	ASTM D97

Flash Point Thermal Properties	258 °C Metric	496 °F English	ASTM D92 Comments
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Component Elements Properties	Metric	English	Comments
Sulfur, S	0.40 %	0.40 %	

Chemical Properties	Metric	English	Comments
Total Acid Number	0.31	0.31	mgKOH/g; ASTM D664

Descriptive Properties	Value	Comments
Copper Strip Corrosion, ASTM D130	1A	3 hrs @ 100°C
	2C	3 hrs @ 204°C
Foam Sequence I, ASTM D1141	0/0	
Foam Sequence II, ASTM D893	0/0	
Foam Sequence III, ASTM D893	0/0	

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