

ExxonMobil 20W-50 Exxon Aviation Oil

Category : Fluid , Lubricant

Material Notes:

Aviation Oil 100, 120 and 20W-50 are non-dispersant, mineral oil-based lubricants for piston engines of commercial, military and private aircraft. They contain very low concentrations of anti-oxidant, anti-foam and pour point depressant. Aviation Oil 100 and 120 are monogrades of SAE 50 and SAE 60 grade, correspondingly. Aviation Oil 20W-50 is a multi-grade lubricant. High manufacturing standards ensure the dependability of Aviation Oil under the exacting conditions of modern piston engine service. They are approved by leading engine manufacturers throughout the world. Despite the advent and wide-spread use of ashless-dispersant aviation engine oils, some operators prefer to continue the use of non-dispersant mineral oil lubricants, which have provided excellent service for many years. In addition, many engine builders and overhaul agencies recommend or require the use of non-dispersant oils for break-in of new or newly overhauled engines. Aviation Oil of a viscosity grade selected to match the ambient temperature operation conditions of the aircraft meets these needs in accordance with the requirements of all major engine manufacturers. Aviation Oil products are U.S. Military approved under SAE J1966, which replaced MIL-L-6082E and are listed in the U.S. Military Qualified Products List QPL-1966. Specific viscosity grades are approved by Pratt and Whitney, Teledyne Continental Motors, and Textron Lycoming, and are included in their qualified products lists.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	0.882 g/cc	0.0319 lb/in ³	ASTM D4052
	@Temperature 15.6 °C	@Temperature 60.1 °F	
API Gravity	28.9 °	28.9 °	
Viscosity	5.1 cP	5.1 cP	High Temperature High Shear (HTHS); ASTM D4683
	@Temperature 150 °C	@Temperature 302 °F	
	6900 cP	6900 cP	Cold Cranking Simulator (CCS); ASTM D5293
	@Temperature -15.0 °C	@Temperature 5.00 °F	
Viscosity Measurement	132	132	Index; ASTM D2270
Kinematic Viscosity at 40°C (104°F)	179 cSt	179 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	20.3 cSt	20.3 cSt	ASTM D445
Ash	0.00 %	0.00 %	SAE J1747

Thermal Properties	Metric	English	Comments
Pour Point	-24.0 °C	-11.2 °F	ASTM D97
Flash Point	240 °C	464 °F	ASTM D92

Component Elements Properties	Metric	English	Comments
Sulfur, S	0.40 %	0.40 %	

Chemical Properties	Metric	English	Comments
Total Acid Number	0.020	0.020	mgKOH/g; ASTM D664

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