

**Certificate of Analysis**



**Port Allen Aviation Plant**  
**2230 Hwy. 1 North, Port Allen, LA 70767**  
**Date (mm/dd/yyyy): 06/15/2023**

Product: MOBIL JET OIL II

<b>Batch Number</b>	70434195	<b>Quantity / Package</b>	Batch
<b>Order Key</b>	70434195	<b>Manufacture Date</b>	12/21/2022
<b>Export# / P.O.#</b>		<b>Destination</b>	
<b>Yardmark</b>		<b>Reference #</b>	
<b>CMCS Code/ Prod#</b>	201550101020	<b>T/C or T/T</b>	

Test Description	Method	Test Result
Kinematic Viscosity @ -40 C, mm2/s	ASTM D445	10660
Kinematic Viscosity @ 40 C, mm2/s	ASTM D445	25.37
Kinematic Viscosity @ 100 C, mm2/s	ASTM D445	5.01
Flash Point, Cleveland Open Cup, C	ASTM D92	268
Pour Point, C	ASTM D5950	-63
Total Acid Number, mgKOH/g	ARP 5088	0.02*
Evaporation Loss, 6.5 h, 204 C, mass%	ASTM D72(mod)	5.1
Foam, Sequence I, Tendency, ml	ASTM D892	20
Foam, Sequence I, Stability, ml	ASTM D892	0
Foam, Sequence II, Tendency, ml	ASTM D892	20
Foam, Sequence II, Stability, ml	ASTM D892	0
Foam, Sequence III, Tendency, ml	ASTM D892	10
Foam, Sequence III, Stability, ml	ASTM D892	0
Therm Stab, Visc 40C Change, Run 1, %change	FTMS 791-3411	-0.28
Therm Stab, Visc 40C Change, Run 2, %change	FTMS 791-3411	0.12
Therm Stab, TAN Increase, Run 1, mgKOH/g	FTMS 791-3411	2.7
Therm Stab, TAN Increase, Run 2, mgKOH/g	FTMS 791-3411	2.7
Therm Stab, Metal Wt Change, Run 1, mg/cm2	FTMS 791-3411	0.2
Therm Stab, Metal Wt Change, Run 2, mg/cm2	FTMS 791-3411	0.3
Acid Assay	FTMS 791-3500	Conforms*
Sediment 1.5 micron filter, mg/l	FTMS 791-3010	0.6
Sediment - Visual Dissolved Water	FTMS 791-3010	PASS

**\*Result reported by Lab External to ExxonMobil**

This material meets the ExxonMobil Sales specification established for this product and has been produced in a facility complying with the requirements of the ISO 9001 certified Global Product Integrity Management System (GPIMS). Tests conducted according to Standard Test Methods, except to the extent variations are required by MIL-PRF-23699G or AS SAE 5780, and are routinely verified to be in compliance with the latest published versions. Additionally, minor changes may be made where they have no material impact on test results and are necessitated by reasons such as safety, environmental standards and method effectiveness. This document is electronically generated and does not require a physical signature to be valid.

Direct Inquiries to:  
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Shelf life is 10 years in quarts and gallons, 5 years in pails and drums, 24 months in totes.

US Military approved against and conforms to MIL-PRF-23699G STD; SAE AS5780/SPC