

**Certificate of Analysis**



Gravenchon Lubes Plant, Notre-Dame-de-Gravenchon, 76330 Port-Jérôme-sur-Seine, France

Phone: +33 232 99 19 71

Date (mm/dd/yyyy): 06/22/2023

Product: MOBIL 1 ESP X3 0W-40

Batch Number	G343468	Type	-----
Order Key	71217743	Manufacture Date	05/02/2023
Export# / P.O.#		Destination	
Fill #	G352538	Reference #	
Product #	2015101010K5	T/C or T/T	706

Test Description	Method	Test Result
Viscosity Index	ASTM D2270	198
Total Base Number, mgKOH/g	ASTM D2896	8.3
Density @ 15 C, kg/l	ASTM D4052	0.846
Kinematic Viscosity @ 100 C, mm2/s	ASTM D445	14.2
Sulfur, mass%	ASTM D4927	0.19
Calcium, mass%	ASTM D5185	0.159
Phosphorus, mass%	ASTM D5185	0.083
Zinc, mass%	ASTM D5185	0.093
Silicon, mg/kg	ASTM D5185	6
Pour Point, C	ASTM D7346	-55
Boron, mass%	ASTM D5185	0.0312
Kinematic Viscosity @ 40 C, mm2/s	ASTM D445	75
CCS Viscosity -35 C, mPa.s	ASTM D5293	5943
Molybdenum, mass%	ASTM D5185	0.0074
Flash Point, C	ASTM D92	232
Infrared Spectrum	AMS 1440	MATCH
Odor	AMS 1695	PASS
Particle Count>14 microns (automated las	ISO 4406	14
Particle Count>6microns( automated laser	ISO 4406	18

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). Test results on this certificate represent the most recent inspections done on this product for the stated characteristics and may be based on tank certification, manufacturing data, periodic testing and / or most recent product restock.

This document is electronically generated and does not require a physical signature to be valid.

Emilie Courtin, Product Quality Assurance Manager  
 Quality Assurance Laboratory  
 ExxonMobil Logistique France - BP 2  
 Bloc 201 - Laboratoire  
 Notre-Dame-de-Gravenchon  
 76330 Port-Jerome-sur-Seine  
 France

Tests conducted according to International Standard Test Methods are routinely verified to be in compliance with the latest published versions. 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.

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Fill #	G352538	Reference #	
Product #	2015101010K5	T/C or T/T	706

Test Description	Method	Test Result
Particle Count >4 microns (automated lase)	ISO 4406	21
Appearance	AMS 1738	C & B
Color	ASTM D6045	3.5
Foam, Sequence II, Tendency, no Option A, ml	ASTM D892(Alt)	10
Foam Seq II, Stability (No Option A), ml	ASTM D892(Alt)	0
Magnesium, mg/kg	ASTM D5185	3

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