

Certificate of Analysis



Mobil Korea Lube Oil Inc.

Ulsan, Korea

Date (mm/dd/yyyy): 09/26/2023

Product: MOBIL 1 ESP X2 0W-20

Batch Number	D390536	Type	1 Lt
Order Key	70492344	Manufacture Date	09/25/2023
Export# / P.O.#		Destination	
Fill #	D390623	Reference #	
Product #	2015101010K7	T/C or T/T	

Test Description	Method	Test Result
Density @ 15 C, kg/l	ASTM D4052	0.8416*
Kinematic Viscosity @ 100 C, mm ² /s	ASTM D445	7.9*
Calcium, mass%	ASTM D4951	0.172*
Phosphorus, mass%	ASTM D4951	0.088*
유동점 (Pour Point), C	ASTM D5949	-58*
외관 (Appearance)	VISUAL	Dark Green*
Boron, mass%	ASTM D4951	0.0298*
저온겔보기점도 (CCS Viscosity) -35 C, mPa.s	ASTM D5293	4119*
Foam, Sequence II, Tendency, ml	ASTM D892	20*
Foam, Sequence II, Stability, ml	ASTM D892	0*
Molybdenum, mass%	ASTM D4951	0.0080*
Infrared Spectrum	MLP13	MATCH*
냄새 (Odor)	AMS 1695	PASS*
Zirconium, mg/Kg	AMS 1801	23*

***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). 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.

QA Chemist

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.