

Certificate of Analysis



Mobil Korea Lube Oil Inc.

Ulsan, Korea

Date (mm/dd/yyyy): 08/24/2023

Product: MOBIL 1 0W-40

Batch Number	D380474	Type	1 Lt
Order Key	70488960	Manufacture Date	08/23/2023
Export# / P.O.#		Destination	
Fill #	D380509	Reference #	
Product #	201510101010	T/C or T/T	

Test Description	Method	Test Result
색 (ASTM Color)	ASTM D6045	L3.5*
Density @ 15 C, kg/l	ASTM D4052	0.8368*
Kinematic Viscosity @ 100 C, mm ² /s	ASTM D7042	13.35*
Calcium, mass%	ASTM D4951	0.144*
유동점 (Pour Point), C	ASTM D5949	-51*
Molybdenum, ppm	ASTM D4951	73*
저온겔보기점도 (CCS Viscosity) -35 C, mPa.s	ASTM D5293	5939*
Infrared Spectrum	MLP13	MATCH*
냄새 (Odor)	AMS 1695	PASS*
외관 (Appearance)	AMS 1738	C & B*
Foam, Sequence II, Tendency, no Option A, ml	ASTM D892	20*
Foam Seq II, Stability (No Option A), ml	ASTM D892	0*
Boron, mg/kg	ASTM D4951	137*
Phosphorus, mg/kg	ASTM D4951	971*
Nitrogen, wt%	ASTM D5762	0.138*

***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.