

## Certificate of Analysis



Mobil Korea Lube Oil Inc.

Ulsan, Korea

Date (mm/dd/yyyy): 06/27/2023

Product: MOBIL SUPER ALL-IN-ONE PROTECTION V 0W-20

Batch Number	D360418	Type	1 Lt
Order Key	70482307	Manufacture Date	06/26/2023
Export# / P.O.#		Destination	
Fill #	D360462	Reference #	
Product #	20151010R0R1	T/C or T/T	

Test Description	Method	Test Result
Density @ 15 C, kg/l	ASTM D4052	0.8417
Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s	ASTM D445	7.9
Calcium, mass%	ASTM D4951	0.136
Phosphorus, mass%	ASTM D4951	0.072
Zinc, mass%	ASTM D4951	0.091
유동점 (Pour Point), C	ASTM D6749	-42
저온겔보기점도 (CCS Viscosity) -35 C, mPa.s	ASTM D5293	5502
Infrared Spectrum	MLP13	MATCH
냄새 (Odor)	AMS 1695	PASS
Magnesium, mass%	ASTM D4951	0.049
외관 (Appearance)	AMS 1738	Green
Foam, Sequence II, Tendency, no Option A, ml	ASTM D892	10
Foam Seq II, Stability (No Option A), ml	ASTM D892	0
Zirconium, mg/Kg	AMS 1801	28

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.

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