

Certificate of Analysis



Mobil Korea Lube Oil Inc.

Ulsan, Korea

Date (mm/dd/yyyy): 09/04/2023

Product: MOBIL SUPER ALL-IN-ONE PROTECTION V 0W-30

Batch Number	D390007	Type	DRUM
Order Key	70489593	Manufacture Date	09/03/2023
Export# / P.O.#		Destination	
Fill #	D390049	Reference #	
Product #	20151010R0R2	T/C or T/T	

Test Description	Method	Test Result
색 (ASTM Color)	ASTM D6045	L2.0
Density @ 15 C, kg/l	ASTM D4052	0.8424
Kinematic Viscosity @ 100 C, mm ² /s	ASTM D445	11.8
Calcium, mass%	ASTM D4951	0.158
Phosphorus, mass%	ASTM D4951	0.070
Zinc, mass%	ASTM D4951	0.082
유동점 (Pour Point), C	ASTM D7346	-48
저온겔보기점도 (CCS Viscosity) -35 C, mPa.s	ASTM D5293	5768
Infrared Spectrum	MLP13	MATCH
냄새 (Odor)	AMS 1695	PASS
외관 (Appearance)	AMS 1738	C & B

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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