

Certificate of Analysis



Mobil Korea Lube Oil Inc.

Ulsan, Korea

Date (mm/dd/yyyy): 01/27/2023

Product: MOBIL SUPER SMART PLUS PROTECTION 0W-20

Batch Number	D310439	Type	DRUM
Order Key	70465703	Manufacture Date	01/27/2023
Export# / P.O.#		Destination	
Fill #	D310470	Reference #	
Product #	201510107710	T/C or T/T	

Test Description	Method	Test Result
색 (ASTM Color)	ASTM D6045	L3.0
Density @ 15 C, kg/l	ASTM D4052	0.8492
Kinematic Viscosity @ 100 C, mm ² /s	ASTM D445	9.08
Calcium, mass%	ASTM D4951	0.123
Phosphorus, mass%	ASTM D4951	0.073
유동점 (Pour Point), C	ASTM D7346	-33
저온겔보기점도 (CCS Viscosity) -35 C, mPa.s	ASTM D5293	5590
Molybdenum, mass%	ASTM D4951	0.0080
Infrared Spectrum	MLP13	MATCH
냄새 (Odor)	AMS 1695	PASS
Magnesium, mass%	ASTM D4951	0.044
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.