

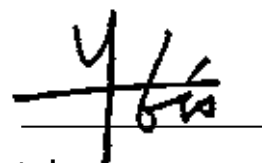
Certificate of Analysis

PRODUCT : S-OIL 7 BLUE #9 CJ-4 15W-40-EX (200)
CERT. NO. : 20220622-0045 D A T E : 2022/06/22
CUSTOMER : S-OIL TANK No. : IBT-04
DATE SAMPLED : 2020/02/18 LOT No. : 200587

TEST ITEMS	UNIT	TEST METHOD	RESULTS
Color		ASTM D 1500	L4.5
Density, 15	g/cm ³	ASTM D 4052	0.8589
Viscosity, 40	cSt	ASTM D 445	107.0
Viscosity, 100	cSt	ASTM D 445	15.44
Viscosity Index		ASTM D 2270	152
C.C.S., -20	cP	ASTM D 5293	4190
T.B.N	mgKOH/g	ASTM D 2896	9.26
Flash Point, COC		ASTM D 92	244
Pour Point		ASTM D 97	-33
Foaming Test Tendency/Stability, Sequence 1	ml	ASTM D 892	10/0
Foaming Test Tendency/Stability, Sequence 2	ml	ASTM D 892	20/0
Foaming Test Tendency/Stability, Sequence 3	ml	ASTM D 892	10/0

I CERTIFY THE ABOVE TEST RESULTS ARE TRUE AND CORRECT.

Chief Chemist
JB.Shin



S-OIL TotalEnergies Lubricants Co., Ltd.

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