

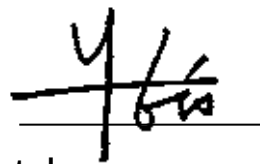
Certificate of Analysis

PRODUCT : S-OIL 7 GOLD #9 A3/B4 5W-30-EX (P4x4)
CERT. NO. : 20250801-0045 D A T E : 2025/08/01
CUSTOMER : S-OIL TANK No. : IBT-03
DATE SAMPLED : 2025/03/21 LOT No. : 251040

TEST ITEMS	UNIT	TEST METHOD	RESULTS
Color		ASTM D 1500	3.0
Density, 15	g/cm ³	ASTM D 4052	0.8545
Viscosity, 40	cSt	ASTM D 445	70.32
Viscosity, 100	cSt	ASTM D 445	11.85
Viscosity Index		ASTM D 2270	165
C.C.S., -30	cP	ASTM D 5293	5740
T.B.N	mgKOH/g	ASTM D 2896	10.41
Flash Point, COC		ASTM D 92	234
Pour Point		ASTM D 97	-39
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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