

Certificate of Analysis

PRODUCT : HI-PUMP 46-EX (200L DM)

CERT. NO. : 20220622-0012

D A T E : 2022/06/22

CUSTOMER : S-OIL

TANK No. : IBT-06

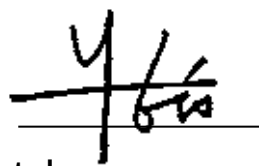
DATE SAMPLED : 2022/04/26

LOT No. : 221487

TEST ITEMS	UNIT	TEST METHOD	RESULTS
Color		ASTM D 1500	L0.5
Density, 15	g/cm ³	ASTM D 4052	0.8458
Viscosity, 40	cSt	ASTM D 445	45.43
Viscosity, 100	cSt	ASTM D 445	7.902
Viscosity Index		ASTM D 2270	145
C.C.S., -30	cP	ASTM D 5293	7210
Flash Point, COC		ASTM D 92	248
Pour Point		ASTM D 97	-39
T.A.N	mgKOH/g	ASTM D 664	0.21
Copper Strip Corrosion,100 ,3h		ASTM D 130	1a
Water Content	ppm	ASTM D 6304	66
Rust Prevention A		ASTM D 665	Pass
Demulsibility, 54	min	ASTM D 1401	10
Foaming Test Tendency/Stability, Sequence 1	ml	ASTM D 892	10/0
Foaming Test Tendency/Stability, Sequence 2	ml	ASTM D 892	10/0
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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