



LABORATORY TEST REPORT

PRODUCT NAME: SHIELD HYDRAULIC OIL AW 46 ISO VG 46	DATE : 07/01/2025
BATCH. NO: SL/25-01/1696	LAB.SR.NO. – 1159

SR.NO	TEST	TEST METHOD	UNIT	SPECIFICATION	BATCH TEST REPORT
1	Appearance	Visual	.....	Clear & Bright	Clear & Bright
2	Crackle test	Visual	.....	Nil	Nil
3	Density @ 29.5°C	ASTM D 1298	Kg/ml	Report	0.8418
4	Colour	ASTM D 1500	.....	L2.5 Max.	L1.5
5	Kinematic Viscosity @ 40°C	ASTM D 445	cST	41.40 Min. - 50.60 Max.	45.57
6	Kinematic Viscosity @ 100°C	ASTM D 445	cST	Report	7.90
7	Viscosity Index	ASTM D2270	.....	90 Min.	144
8	Foaming, Tendency/Stability.	ASTM D 892			
	Sequence I at 24±0.5°C		ml	150/0 Max.	10/0
	Sequence II at 93.5±0.5°C		ml	75/0 Max.	20/0
	Sequence III at 24±0.5°C		ml	150/0 Max.	10/0
9	Demulsibility @ 54°C±1°C	ASTM D1401	minutes	40 – 37-3 (30) Max.	40-40-0(20)
10	Tan	ASTM D974	MgKOH/g	Report	0.57
11	Flash Point, COC	ASTM D92	°C	180 Min.	208
12	Pour Point	ASTM D-97	°C	-3 Min.	- 30

REMARK : SAMPLE PASS

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