



Shield Lubricants & Specialities Pvt. Ltd.

LABORATORY TEST REPORT

PRODUCT NAME : PERFORMANCE FORMULA 4T API SM 20W40	DATE : 03/06/2025
BATCH NO : SL/25-06/390	LAB.SR.NO. – 259

SR. NO.	TEST	TEST METHOD	UNIT	SPECIFICATION	BATCH TEST REPORT
1	Appearance	Visual	....	Clear & Bright	Clear & Bright
2	Crackle Test	Visual	....	Nil	Nil
3	Colour	ASTM D-1500	....	Red	Red
4	Density @29.5°C	ASTM D-1298	Kg/ml	Report	0.8796
5	Kinematic Viscosity @ 100°C	ASTM D-445	cSt	14.00 Min. - 15.50 Max.	14.35
6	Kinematic Viscosity @ 40°C	ASTM D-445	cSt	Report	129.3
7	Viscosity Index	ASTM D-2270	....	Report	109
8	TBN, mg of KOH/gm	ASTM D-2896	mg of KOH/gm	6.0 Min.	6.19
9	Pour Point	ASTM D97	°C	-24 Max.	-27
10	Flash Point, COC	ASTM D92	°C	210 Min.	220

REMARK – SAMPLE PASS

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