



**Shield Lubricants & Specialities Pvt. Ltd.**

**LABORATORY TEST REPORT**

<b>PRODUCT NAME :SHIELD PERFORMANCE FORMULA 4T 10W30 API SM</b>	<b>DATE :28/12/2020</b>
<b>BATCH NO : SL/21-01/1308</b>	<b>LAB SR.NO -587</b>

SR. NO.	TEST	TEST METHOD	UNIT	SPECIFICATION		BATCH TEST REPORT
				MINIMUM	MAXIMUM	
1	Appearance	Visual	....	Clear & Bright		Clear & Bright
2	Crackle Test	Visual	....	Nil		Nil
3	Colour	ASTM D-1500	....	L3.0 Max.		L1.0
4	Density @29.5°C	ASTM D-1298	Kg/m <sup>3</sup>	Reported		0.8443
5	Kinematic Viscosity @ 100°C	ASTM D-445	mm <sup>2</sup> /s	10.50	12.50	12.17
6	Kinematic Viscosity @ 40°C C	ASTM D-445	mm <sup>2</sup> /s	Reported		78.92
7	Viscosity Index	ASTM D-2270	....	135		150
8	TBN, mg of KOH/gm	ASTM D-2896	mg of KOH/gm	6.20		6.80
9	Flash Point,COC	ASTM D-92	°C	220		224
10	Pour Point	ASTM D-97	°C		-27	-30

**Remark: sample pass**

**Tested By: Anil Jahrad**