



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

## **LABORATORY TEST REPORT**

<b>PRODUCT NAME : SHIELD PERFORMANCE TECH 4T 15W50 API SM</b>	<b>DATE : 16/01/2021</b>
<b>BATCH NO : SL/21-01/1374</b>	<b>LAB.SN.NO-646</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		L2.0
4	Density @29.5°C	ASTM D-1298	Kg/m <sup>3</sup>	Reported		0.8695
5	Kinematic Viscosity @ 100°C	ASTM D-445	mm <sup>2</sup> /s	17.50	20.50	18.79
6	Kinematic Viscosity @ 40°C	ASTM D-445	mm <sup>2</sup> /s	Reported		156.1
7	Viscosity Index	ASTM D-2270	....	130		136
8	TBN, mg of KOH/gm	ASTM D-2896	mg of KOH/gm	7.50		7.59
9	Flash Point , COC	ASTM D-97	°C	220		232
10	Pour Point	ASTM D-92	°C		-24	-30

**Remark: sample pass**

**Tested By: Sandip Bhayaje**