



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

**LABORATORY TEST REPORT**

<b>PRODUCT NAME : DIESEL ENGINE OIL 20W40 API CH-4</b>	<b>DATE : 13/12/2020</b>
<b>BATCH NO : SL/20-12/1201</b>	<b>SR NO 544</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	....	L4.0 Max.		L2.0
4	Density @29.5°C	ASTM D-1298	Kg/m <sup>3</sup>	Reported		0.8660
5	Kinematic Viscosity @ 100°C	ASTM D-445	mm <sup>2</sup> /s	14.00	15.50	14.88
6	Kinematic Viscosity @ 40°C C	ASTM D-445	mm <sup>2</sup> /s	Reported		107.4
7	Viscosity Index	ASTM D-2270	....	135		143
8	TBN, mg of KOH/gm	ASTM D-2896	mg of KOH/gm	10.00		10.65
9	Flash Point ,COC	ASTM D-92	°C	220		228
10	Pour Point	ASTM D-97	°C		-24	-33

**Remark: sample pass**

**Tested By: Anil Jahrad**

**Approved By: Sandip Bhayaje**