



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

## LABORATORY TEST REPORT

PRODUCT NAME : SHIELD MOTOR ENERGY 20W50 API SL	DATE : 17/05/2020
BATCH NO : SL/20-05/020(GOLDEN)	

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		0.8838
5	Kinematic Visc.@100°C	ASTM D-445	Cst	17.50	20.50	18.30
6	Kinematic Visc.@40°C	ASTM D-445	Cst	Reported		167.7
7	Viscosity Index	ASTM D-2270	....	120		121
8	TBN, mg of KOH/gm	ASTM D-2896	mg of KOH/gm	6		6.19
9	Flash Point ,COC	ASTM D-92	Deg.C	220		234
10	Pour Point	ASTM D-97	Deg.C		-24	-24

Remark: sample pass

Tested By: Sandip Bhayaje

Approved By: