



Shield Lubricants & Specialities Pvt. Ltd.

LABORATORY TEST REPORT

PRODUCT NAME : SHIELD MOTOR ENERGY 20W50 API SL/CF	DATE : 16/01/2021
BATCH NO : SL/21-01/1366 (GOLDEN)	LAB.SR.NO -645

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 ³	Reported		0.8762
5	Kinematic Visc.@100°C	ASTM D-445	Cst	17.50	20.50	18.82
6	Kinematic Visc.@40°C	ASTM D-445	Cst	Reported		175.7
7	Viscosity Index	ASTM D-2270	....	120		121
8	TBN, mg of KOH/gm	ASTM D-2896	mg of KOH/gm	6		7.28
9	Flash Point ,COC	ASTM D-92	Deg.C	220		238
10	Pour Point	ASTM D-97	Deg.C		-24	-27

Remark: sample pass

Tested By: Anil Jarhad