



Shield Lubricants & Specialities Pvt. Ltd.

LABORATORY TEST REPORT

PRODUCT NAME: SHIELD MOTOR ENERGY 20W50 API SL	DATE : 03/04/2018
BATCH NO: SL/18-04//004	

SR.NO	TEST	TEST METHOD	UNIT	SPECIFICATION		BATCH TEST REPORT
				Min	Max	
1	Appearance	Visual	-	Cl & Br	-	Cl & Br
2	Water Content	Water Content			Nil	Nil
3	Density @ 29.5°C	ASTM D 1298	Kg/m ³	Report	-	0.8813
4	Colour	ASTM D 1500			Red	Red
5	Kinematic Viscosity @ 100°C	ASTM D 445	mm ² /s	17.50	20.50	19.35
5	Kinematic Viscosity @ 40°C	ASTM D 445	mm ² /s	Report		180.1
7	Viscosity Index	ASTM D 2270		120	-	123
8	Flash Point (COC)	ASTM D 92	deg.C	220		234
9	Pour Point	ASTM D 97	deg.C	-	-24	-24
10	Foaming, Tendency/Stability.	ASTM D 892		-		
	Sequence I	-	ml	-	25/0	0/0
	Sequence II	-	ml	-	150/0	0/0
	Sequence III	-	ml	-	25/0	0/0
11	Total Base Number	ASTM D2896	MgKOH/g	7		8.04

Remark: sample pass

Tested By: Sandip Bhayaje

Approved By: