



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

## CERTIFICATE OF ANALYSIS

PRODUCT NAME : MANUAL TRANSMISSION FLUID 80W90 API GL-5	DATE : 30/12/2024
BATCH NO. : SL/24-12/1658	LAB.SR.NO.: 1122

Sr. No.	Tests	Units	Method	Minimum	Maximum	Test Results
1	Appearance	....	Visual	Clear & Bright		Clear & Bright
2	Crackle Test	....	Visual	Nil		Nil
3	Density @ 29.5°C	Kg/ml	ASTM D1298	Report		0.8909
4	Colour	....	ASTM D1500		L4.0	L2.5
5	Kinematic, Viscosity @ 40°C	cSt	ASTM D445	Report		158.0
6	Kinematic, Viscosity @ 100°C	cSt	ASTM D445	14	15.5	15.08
7	Viscosity Index	....	ASTM D2270	90		95
8	Total Acid Number, TAN	mg KOH/g	ASTM D974	Report		0.49
9	Flash Point, COC	°C	ASTM D92	180		232
10	Pour Point	°C	ASTM D97	Report		-27

REMARK: SAMPLE PASS

TESTED BY: ANIL JARHAD

APPROVED BY: SANDIP BHAYAJE

**DISCLAIMER: THIS IS A COMPUTER-GENERATED REPORT AND DOES NOT REQUIRE A PHYSICAL SIGNATURE.**

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