



Shield Lubricants & Specialities Pvt. Ltd.

LABORATORY TEST REPORT

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| PRODUCT NAME :SHIELD PERFORMANCE FORMULA 4T 10W30 API SM | DATE :06/01/2021 |
| BATCH NO : SL/21-01/1324 | LAB SR.NO -615 |

| 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 | | L3.0 Max. | | L2.0 |
| 4 | Density @29.5°C | ASTM D-1298 | Kg/m ³ | Reported | | 0.8603 |
| 5 | Kinematic Viscosity @ 100°C | ASTM D-445 | mm ² /s | 10.50 | 12.50 | 11.25 |
| 6 | Kinematic Viscosity @ 40°C C | ASTM D-445 | mm ² /s | Reported | | 74.61 |
| 7 | Viscosity Index | ASTM D-2270 | | 135 | | 142 |
| 8 | TBN, mg of KOH/gm | ASTM D-2896 | mg of KOH/gm | 6.20 | | 6.61 |
| 9 | Flash Point,COC | ASTM D-92 | °C | 220 | | 224 |
| 10 | Pour Point | ASTM D-97 | °C | | -27 | -30 |

Remark: sample pass

Tested By: Anil Jahrad