



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

**LABORATORY TEST REPORT**

|                                            |                   |
|--------------------------------------------|-------------------|
| PRODUCT NAME : SHIELD PERFORMANCE 4T 20W40 | DATE : 21/05/2019 |
| BATCH NO : SL/19-05/1454                   |                   |

| SR. NO. | TEST              | TEST METHOD | UNIT               | SPECIFICATION  |         | BATCH TEST REPORT |
|---------|-------------------|-------------|--------------------|----------------|---------|-------------------|
|         |                   |             |                    | MINIMUM        | MAXIMUM |                   |
| 1       | Appearance        | Visual      | ....               | Clear & Bright |         | Cl. & Br.         |
| 2       | Crackle Test      | Visual      | ....               | Nil            |         | Nil               |
| 3       | Colour            | ASTM D-1500 | ....               | L3.0           |         | L2.5              |
| 4       | Density @29.5°C   | ASTM D-1298 | Kg/m <sup>3</sup>  | Reported       |         | 0.8810            |
| 5       | Kin Visc.@100°C   | ASTM D-445  | mm <sup>2</sup> /s | 14.00          | 15.50   | 15.46             |
| 6       | Kin Visc.@40°C    | ASTM D-445  | mm <sup>2</sup> /s | Reported       |         | 135.6             |
| 7       | Viscosity Index   | ASTM D-2270 | ....               | 110            |         | 118               |
| 8       | TBN, mg of KOH/gm | ASTM D-2896 | mg of KOH/gm       | 5.5            |         | 6.10              |

**Remark: sample pass**

**Tested By: Sandip Bhayaje**

**Approved By:**