



## Shield Lubricants & Specialities Pvt. Ltd.

### LABORATORY TEST REPORT

|  |                   |
|--|-------------------|
| PRODUCT NAME: SHIELD FLEET POWER DURA 15W40 API CF-4 | DATE : 07/04/2018 |
| BATCH NO: SL/18-04//023                              |                   |

| SR.NO | TEST                            | TEST METHOD | UNIT               | SPECIFICATION |       | BATCH TEST REPORT |
|-------|---------------------------------|-------------|--------------------|---------------|-------|-------------------|
|       |                                 |             |                    | Min           | Max   |                   |
| 1     | Appearance                      | Visual      | -                  | Cl & Br       | -     | Cl & Br           |
| 2     | Water Content                   | Visual      |                    |               | Nil   | Nil               |
| 3     | Density @ 29.5°C                | ASTM D 1298 | Kg/m <sup>3</sup>  | Report        | -     | 0.8685            |
| 4     | Colour                          | ASTM D 1500 |                    |               | L4.0  | L3.5              |
| 5     | Kinematic Viscosity @ 100°C     | ASTM D 445  | mm <sup>2</sup> /s | 14            | 15.50 | 14.43             |
| 5     | Kinematic Viscosity @ 40°C      | ASTM D 445  | mm <sup>2</sup> /s | Report        |       | 109.4             |
| 7     | Viscosity Index                 | ASTM D 2270 |                    | 130           | -     | 135               |
| 8     | Flash Point (COC)               | ASTM D 92   | deg.C              | 220           |       | 232               |
| 9     | Pour Point                      | ASTM D 97   | deg.C              | -             | -24   | -27               |
| 10    | Foaming,<br>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            | 10            |       | 10.75             |

Remark: sample pass

Tested By: Sandip Bhayaje

Approved By: