



Shield Lubricants & Specialities Pvt. Ltd.

LABORATORY TEST REPORT

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|---------------------------------------|-------------------|
| PRODUCT NAME: SHIELD WARRIOR HLP N 68 | DATE : 13/11/2018 |
| BATCH NO: SL/18-11/701 | |

| SR.NO | TEST | TEST METHOD | UNIT | SPECIFICATION | | BATCH TEST REPORT |
|-------|-----------------------------|-------------|--------------------|---------------|----------------|-------------------|
| | | | | Min | Max | |
| 1 | Appearance | Visual | - | Cl & Br | - | Cl & Br |
| 2 | Crackle test | | | | Nil | Nil |
| 3 | Density @ 29.5°C | ASTM D 1298 | Kg/m ³ | Report | - | 0.8570 |
| 4 | Colour | ASTM D 1500 | | | L2.5 | L1.0 |
| 5 | Kinematic Viscosity @ 40°C | ASTM D 445 | mm ² /s | 61.2 | 74.8 | 64.74 |
| 6 | Kinematic Viscosity @ 100°C | ASTM D 445 | mm ² /s | Report | | 9.29 |
| 7 | Viscosity Index | ASTM D 2270 | | 90 | | 122 |
| 8 | Foaming,Tendency/Stability. | ASTM D 892 | | - | | |
| | Sequence I | - | ml | - | 150/10 | 90/0 |
| | Sequence II | - | ml | - | 150/10 | 50/0 |
| | Sequence III | - | ml | - | 150/10 | 80/0 |
| 9 | Demulsibility @ 52°C | ASTM D1401 | minutes | - | 40 – 37-3 (30) | 40-40-0(25) |

Remark: sample pass

Tested By: Sandip Bhayaje

Approved By: