# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** TESTING LABORATORY OF NATIONAL ENGINEERING INDUSTRIES LTD., KHATIPURA ROAD, JAIPUR, RAJASTHAN, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-10025 **Page No** 1 of 2

**Validity** 27/10/2021 to 26/10/2023 **Last Amended on** -

| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| Permanent Facility | | | | |
| 1 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Axle Box Components | Ultimate Tensile Strength | IS 1608 (Part 1) |
| 2 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Axle Box Components | Ultimate Tensile Strength | ISO 6892-1 |
| 3 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Bearing, Bearing Components & its Raw Material | Micro Vicker Hardness Test (HV1) | ASTM E384 |
| 4 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Bearing, Bearing Components & its Raw Material | Brinell Hardness Test (10/3000) | IS 1500 (Part 1) |
| 5 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Bearing, Bearing Components & its Raw Material | Brinell Hardness Test (10/3000) | ISO 6506-1 |
| 6 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Bearing, Bearing Components & its Raw Material | Brinell Hardness Test (5/750) | IS 1500 (Part 1) |
| 7 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Bearing, Bearing Components & its Raw Material | Brinell Hardness Test (5/750) | ISO 6506-1 |
| 8 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Bearing, Bearing Components & its Raw Material | Micro Vicker Hardness Test (HV 0.5) | ASTM E384 |
| 9 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Bearing, Bearing Components & its Raw Material | Micro Vicker Hardness Test (HV 0.5) | IS 1501 (Part 1) |
| 10 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Bearing, Bearing Components & its Raw Material | Micro Vicker Hardness Test (HV 1) | IS 1501 (Part 1) |
| 11 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Bearing, Bearing Components & its Raw Material | Rockwell Hardness Test (HRBW) | IS 1586 (Part 1) |
| 12 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Bearing, Bearing Components & its Raw Material | Rockwell Hardness Test (HRBW) | ISO 6508-1 |
| 13 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Bearing, Bearing Components & its Raw Material | Rockwell Hardness Test (HRC) | IS 1586 (Part 1) |

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| 14 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Bearing, Bearing Components & its Raw Material | Rockwell Hardness Test (HRC) | ISO 6508-1 |
| 15 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Finished Steel Balls for Rolling Bearings | Crushing Load Test | IS 2898 (Withdrawn Standard) |
| 16 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | Roller Bearings with Axle Box/ Housing (Rolling Bearings/ Cartridge bearings) | Rig Performance Testing of Bearings with Axle Box | EN 12082 |