National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MML TESTING, WABCO INDIA LIMITED, PLOT NO.3, THIRD MAIN ROAD, AMBATTUR INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9488 **Page No** 1 of 4

Validity 03/05/2021 to 02/05/2023 **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	CHEMICAL- CORROSION TESTS	Ferrous & Non-ferrous materials, alloys with paints, plating and other surface protections	Neutral Salt spray test	ISO 9227
2	CHEMICAL- CORROSION TESTS	Ferrous & Non-ferrous materials, alloys with paints, plating and other surface protections	Neutral salt spray test	ASTM B117
3	CHEMICAL- METALS & ALLOYS	Alloy steel	Aluminium	ASTM E415
4	CHEMICAL- METALS & ALLOYS	Alloy steel	Boron	ASTM E415
5	CHEMICAL- METALS & ALLOYS	Alloy steel	Carbon	ASTM E415
6	CHEMICAL- METALS & ALLOYS	Alloy steel	Chromium	ASTM E415
7	CHEMICAL- METALS & ALLOYS	Alloy steel	Copper	ASTM E415
8	CHEMICAL- METALS & ALLOYS	Alloy steel	Manganese	ASTM E415
9	CHEMICAL- METALS & ALLOYS	Alloy steel	Molybdenum	ASTM E415
10	CHEMICAL- METALS & ALLOYS	Alloy steel	Nickel	ASTM E415
11	CHEMICAL- METALS & ALLOYS	Alloy steel	Niobium	ASTM E415
12	CHEMICAL- METALS & ALLOYS	Alloy steel	Phosphorus	ASTM E415
13	CHEMICAL- METALS & ALLOYS	Alloy steel	Silicon	ASTM E415
14	CHEMICAL- METALS & ALLOYS	Alloy steel	Sulphur	ASTM E415
15	CHEMICAL- METALS & ALLOYS	Alloy steel	Tin	ASTM E415
16	CHEMICAL- METALS & ALLOYS	Alloy steel	Titanium	ASTM E415
17	CHEMICAL- METALS & ALLOYS	Alloy steel	Vanadium	ASTM E415
18	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Beryllium	ASTM E1251

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19	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Chromium	ASTM E1251
20	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Copper	ASTM E1251
21	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Iron	ASTM E1251
22	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Lead	ASTM E1251
23	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Magnesium	ASTM E1251
24	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Manganese	ASTM E1251
25	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Nickel	ASTM E1251
26	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Silicon	ASTM E1251
27	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Tin	ASTM E1251
28	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Titanium	ASTM E1251
29	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc	ASTM E1251
30	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zirconium	ASTM E1251
31	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	IS 9879
32	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	IS 9879
33	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper	IS 9879
34	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	IS 9879
35	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	IS 9879
36	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	IS 9879
37	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorus	IS 9879

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38	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	IS 9879
39	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	IS 9879
40	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell hardness - HBW 10/3000	IS 1500-1
41	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell hardness - HBW 10/3000	ISO 6506-1
42	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell hardness - HBW 5/750	ISO 6506-1
43	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell hardness - HRBW	ISO 6508-1
44	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell hardness - HRC	IS 1586-1
45	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness - HRC	ISO 6508-1
46	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vickers hardness - HV0.3	ISO 6507-1
47	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vickers hardness - HV0.5	ISO 6507-1
48	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vickers hardness - HV1	ISO 6507-1
49	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Heat-treated ferrous & alloy products	Case depth (micro vickers hardness traverse method)	IS 6416
50	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non Ferrous metals, alloys & products	Brinell hardness - HBW 5/750	IS 1500-1
51	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-ferrous metals, alloys & products	Rockwell hardness - HRBW	IS 1586-1

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52	MECHANICAL-METALLOGRAPHY TEST	Aluminium materials, alloys & products	Microstructure characterization	ASM Handbook volume 9
53	MECHANICAL-METALLOGRAPHY TEST	Case hardened and surface treated parts and materials	Case Depth (Microscopic method)	IS 6416
54	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Microstructure characterization	ASM Handbook Volume 9
55	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural, Synthetic rubber & Procuts	Rubber micro hardness test	IS 3400 (Part 2)
56	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Natural, Synthetic rubbers & products	Rubber microhardness test	ISO 48-2
57	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanized Natural & Synthetic rubbers and products	Density	ISO 2781
58	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanized Natural, Synthetic rubbers & products	Density	IS 3400 (Part 9)