National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : THE MOTWANE MANUFACTURING COMPANY PRIVATE LIMITED, TRANSFORMER OIL TESTING LABORATORY, 40/3, J C INDUSTRIAL LAYOUT, YELACHENAHALLI, KANAKAPURA ROAD, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6358 **Page No** 1 of 2

Validity 10/01/2022 to 25/10/2023 **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	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	' Dissolved Gas Analysis-Acetylene	IS 10593
2	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	' Dissolved Gas Analysis-Carbon Monoxide	IS 10593
3	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	' Dissolved Gas Analysis-Oxygen	IS 10593
4	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Acidity	IS 1448 Part 2
5	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Appearance	IS 1448 (Part 12)
6	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Breakdown Voltage	IS 6792
7	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Density	IS 1448 (Part 16)
8	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dielectric Dissipation factor (Tan Delta)	IS 6262
9	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis-Carbon Dioxide	IS 10593
10	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis-Ethane	IS 10593
11	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis-Ethylene	IS 10593
12	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Dissolved Gas Analysis-Hydrogen	IS 10593
13	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis-Methane	IS 10593

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14	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Dissolved Gas Analysis-Nitrogen	IS 10593
15	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Flash point	IS 1448 (Part 21)
16	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Interfacial Tension	IS 6104
17	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Sludge/sediment	IS 1866 (Clause 4.3, Annexure A)
18	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Specific Resistance (Resistivity)	IS 6103