National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : RENLECC LABORATORIES (OPC) PRIVATE LIMITED, PLOT NO 8 B, FIRST FLOOR, SHIV VIHAR WEST, VIKAS NAGR,UTTAM NAGAR, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10606 **Page No** 1 of 3

Validity 11/05/2022 to 10/05/2024 **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- LUBRICANTS	Lubricant oil	Emulsion Characteristics	IS 1448 (Part 91)
2	CHEMICAL- LUBRICANTS	Lubricant oil	Kinematic Viscosity	IS 1448 (Part 25)
3	CHEMICAL- LUBRICANTS	Lubricant oil	Rust-Preventing characteristics	IS 1448 (Part 96), Procedure B
4	CHEMICAL- LUBRICANTS	Lubricant oil	Color & Appearance	ASTM D 1500
5	CHEMICAL- LUBRICANTS	Lubricant oil	Corrosiveness to Copper (Copper Strip Test)	IS 1448 (Part 15)
6	CHEMICAL- LUBRICANTS	Lubricant Oil	Density	IS 1448 (Part 16)
7	CHEMICAL- LUBRICANTS	Lubricant Oil	Flash and Fire point	IS 1448 (Part 69)
8	CHEMICAL- LUBRICANTS	Lubricant oil	Foaming Characteristics	IS 1448 (Part 67)
9	CHEMICAL- LUBRICANTS	Lubricant oil	Pentane Insoluble Content	ASTM D 4055-04
10	CHEMICAL- LUBRICANTS	Lubricant oil	Sediment	IS 1448 (Part 30)
11	CHEMICAL- LUBRICANTS	Lubricant oil	Total Acid Number	IS 1448 (Part 1, Sec 1)
12	CHEMICAL- LUBRICANTS	Lubricant Oil	Total Base Number	IS 1448 (Part 1, Sec 2)
13	CHEMICAL- LUBRICANTS	Lubricant oil	Viscosity Index	IS 1448 (Part 56)
14	CHEMICAL- LUBRICANTS	Lubricant oil	Water content	ASTM D 6304
15	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Corrosive Sulfur (Silver Strip Test)	DIN 51353
16	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Color and Appearance	ISO 2049
17	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Corrosive Sulphur	IEC 62535
18	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Density	ISO 3675
19	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dielectric dissipation factor (Tan Delta)	IEC 60247
20	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dielectric Dissipation Factor (Tan Delta)	IS 16086

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21	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dielectric Strength (BDV)	IEC 60156
22	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dielectric strength (BDV)	IS 6792
23	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis (Acetylene)	IS 10593
24	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis (Carbon Dioxide)	IS 10593
25	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis (Carbon Monoxide)	IS 10593
26	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis (Ethane)	IS 10593
27	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis (Ethylene)	IS 10593
28	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis (Hydrogen)	IS 10593
29	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis (Methane)	IS 10593
30	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis (Nitrogen)	IS 10593
31	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis (Oxygen)	IS 10593
32	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Flash point	ISO 2719
33	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Interfacial Tension	ASTM D971
34	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Kinematic viscosity	IS 1448 (Part 25)

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35	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Kinematic viscosity	ISO 3104
36	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Neutralization value (acidity)	IEC 62021-1
37	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Oxidation stability	IS 12422(Method c)
38	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Resistivity	IEC 60247
39	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Sediment and sludge	IS 1866 Annex c
40	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Water content	IS 13567