National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : R & D LABORATORY TASHKENT OIL COMPANY PVT. LIMITED, 84 GIDC, ESTATE NANDESARI, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7874 **Page No** 1 of 3

Validity 26/09/2022 to 25/09/2024 **Last Amended on** 28/11/2022

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	Insulating Oil	Kinematic Viscosity at 0°c	IS 1448 (Part 25), ISO 3104
2	CHEMICAL- LUBRICANTS	Insulating Oil	Kinematic Viscosity at -30°c	IS 1448 (Part 25), ISO 3104
3	CHEMICAL- LUBRICANTS	Insulating Oils	Aniline Point	IS 1448 Part 3
4	CHEMICAL- LUBRICANTS	Insulating Oils	Appearance	IS 335
5	CHEMICAL- LUBRICANTS	Insulating Oils	Carbon Type Analysis, Ca	IS 13155
6	CHEMICAL- LUBRICANTS	Insulating Oils	Carbon Type Analysis, Cn	IS 13155
7	CHEMICAL- LUBRICANTS	Insulating Oils	Carbon Type Analysis, Cp	IS 13155
8	CHEMICAL- LUBRICANTS	Insulating Oils	Corrosive Sulphur	DIN 51353
9	CHEMICAL- LUBRICANTS	Insulating Oils	Corrosive Sulphur	IEC 62535
10	CHEMICAL- LUBRICANTS	Insulating Oils	Density by Hydrometer at 15.6°c, 20°c, 25°c & 29.5°c	ISO 3675
11	CHEMICAL- LUBRICANTS	Insulating Oils	Density by Hydrometer at 15.6°c, 20°c, 25°c, & 29.5°c	IS 1448 (Part 16)
12	CHEMICAL- LUBRICANTS	Insulating Oils	Flash Point (PMCC)	IS 1448 [Pt – 21]
13	CHEMICAL- LUBRICANTS	Insulating Oils	Flash Point PMCC	ISO 2719
14	CHEMICAL- LUBRICANTS	Insulating Oils	Interfacial Tension	ASTM D 971
15	CHEMICAL- LUBRICANTS	Insulating Oils	Interfacial tension at 25°c & 27°C	IS 6104
16	CHEMICAL- LUBRICANTS	Insulating Oils	Kinematic Viscosity of Transparent & Opaque Liquids at 27°c & 40°c	IS 1448 (Part 25), ISO 3104
17	CHEMICAL- LUBRICANTS	Insulating Oils	Oxidation Stability Tan Delta at 90°c	IS 12422 (Method C)
18	CHEMICAL- LUBRICANTS	Insulating Oils	Oxidation Stability Acidity	IEC 61125 Method A
19	CHEMICAL- LUBRICANTS	Insulating Oils	Oxidation Stability Acidity	IS 12422 (Method C)
20	CHEMICAL- LUBRICANTS	Insulating Oils	Oxidation Stability Sludge%	IEC 61125 Method A
21	CHEMICAL- LUBRICANTS	Insulating Oils	Oxidation Stability, Sludge%	IS 12422 (Method C)
22	CHEMICAL- LUBRICANTS	Insulating Oils	Potentially Corrosive Sulphur	IS 16310
23	CHEMICAL- LUBRICANTS	Insulating Oils	Pour Point	IS 1448 (Part 10/Sec2)
24	CHEMICAL- LUBRICANTS	Insulating Oils	Presence of Oxidation Inhibitor	IEC 60666
25	CHEMICAL- LUBRICANTS	Insulating Oils	Presence of Oxidation inhibitor	IS 13631 (Sec I & II)
26	CHEMICAL- LUBRICANTS	Insulating Oils	Total Acidity	IEC 62021-1

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27	CHEMICAL- LUBRICANTS	Insulating Oils	Total Acidity	IS 1448 (Part 2)
28	CHEMICAL- LUBRICANTS	Insulating Oils	Water Content by karl ficher	IS 13567
29	CHEMICAL- LUBRICANTS	Insulating Oils	Water Content by Karlfischer	IEC 60814
30	CHEMICAL- LUBRICANTS	Lubricants Oil - Automotive Lubricants , Industrial Lubricants	Electrical Conductivity	ASTM D 2624
31	CHEMICAL- LUBRICANTS	Lubricants Oil - Automotive Lubricants , Industrial Lubricants	Electrical Conductivity	IS 1448 PART 148
32	CHEMICAL- LUBRICANTS	Lubricants Oil - Automotive Lubricants , Industrial Lubricants	Electrical Conductivity	ISO 6297
33	CHEMICAL- LUBRICANTS	Lubricants Oil - Automotive Lubricants , Industrial Lubricants	Existent Gum	IS 1448 PART 29
34	CHEMICAL- LUBRICANTS	Lubricants Oil - Automotive Lubricants , Industrial Lubricants	Existent Gum	ASTM D 381
35	CHEMICAL- LUBRICANTS	Lubricants Oil - Automotive Lubricants , Industrial Lubricants	Existent Gum	ISO 6246
36	CHEMICAL- LUBRICANTS	Lubricating Oil-Automotive Lubricant, Industrial Lubricants	1 Appearance	IS 335
37	CHEMICAL- LUBRICANTS	Lubricating Oil-Automotive Lubricant, Industrial Lubricants	Acid Number By Colour Indicator Titration	ISO 6619
38	CHEMICAL- LUBRICANTS	Lubricating Oil-Automotive Lubricant, Industrial Lubricants	Acid Number by Colour Indicator Titrations	IS 1448 (P 2)
39	CHEMICAL- LUBRICANTS	Lubricating Oil-Automotive Lubricant, Industrial Lubricants	Aniline Point	IS 1448 Part 3
40	CHEMICAL- LUBRICANTS	Lubricating Oil-Automotive Lubricant, Industrial Lubricants	Colour	IS 1448 (Part 12)
41	CHEMICAL- LUBRICANTS	Lubricating Oil-Automotive Lubricant, Industrial Lubricants	Cu-Corrosion	IS 1448(P 15)
42	CHEMICAL- LUBRICANTS	Lubricating Oil-Automotive Lubricant, Industrial Lubricants	Density by Hydrometer at 15.6°c, 20°c, 25°c & 29.5°c	ISO 3675
43	CHEMICAL- LUBRICANTS	Lubricating Oil-Automotive Lubricant, Industrial Lubricants	Density by Hydrometer at 15.6°c, 20°c, 25°c, & 29.5°c	IS 1448 (Part 16)
44	CHEMICAL- LUBRICANTS	Lubricating Oil-Automotive Lubricant, Industrial Lubricants	Distillation Range Recovery	S 1448 (Part 18)
45	CHEMICAL- LUBRICANTS	Lubricating Oil-Automotive Lubricant, Industrial Lubricants	Distillation Range FBP	IS 1448 (Part 18)
46	CHEMICAL- LUBRICANTS	Lubricating Oil-Automotive Lubricant, Industrial Lubricants	Distillation Range IBP	IS 1448 (Part 18)
47	CHEMICAL- LUBRICANTS	Lubricating Oil-Automotive Lubricant, Industrial Lubricants	Flash Point (COC)	IS 1448 (Part 69)
48	CHEMICAL- LUBRICANTS	Lubricating Oil-Automotive Lubricant, Industrial Lubricants	Kinematic Viscosity of Transparent & Opaque Liquids @100°c	IS 1448 (Part 25)

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49	CHEMICAL- LUBRICANTS	Lubricating Oil-Automotive Lubricant, Industrial Lubricants	Kinematic Viscosity of Transparent & Opaque Liquids @40°c	IS 1448 (Part 25)
50	CHEMICAL- LUBRICANTS	Lubricating Oil-Automotive Lubricant, Industrial Lubricants	Pour Point	IS 1448 (Part 10/Sec2)
51	CHEMICAL- LUBRICANTS	Lubricating Oil-Automotive Lubricant, Industrial Lubricants	Viscosity Index	IS 1448 (Part 56)
52	CHEMICAL- LUBRICANTS	Lubricating Oil-Automotive Lubricant, Industrial Lubricants	Water Content	IS 13567
53	CHEMICAL- LUBRICANTS	Lubricating Oil-Automotive Lubricant, Industrial Lubricants	Water Content	IS 1448 (Part 40)
54	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Breakdown Voltage	IEC 60156
55	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating oil	Breakdown Voltage	IS 335
56	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Breakdown Voltage	IS 6792
57	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Tan Delta at (25°c to 100°c)	IS 6262
58	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Tan Delta at 25 to 100°c	IS 16086
59	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Resistivity at 27 & 90°c	IEC 60247
60	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Resistivity at 27°c & 90°c	IS 6103