National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY CONTROL LABORATORY, INDIAN OIL CORPORATION LIMITED, LUBE BLENDING PLANT, P-68, KARL MARX SARANI, PAHARPUR, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10694 **Page No** 1 of 2

Validity 14/06/2022 to 13/06/2024 **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	Lubricants	Appearance (Visual)	SOP 01, LBP/QC/WI/01, Issue No. 01 Dated 01.10.2019
2	CHEMICAL- LUBRICANTS	Lubricating Oil	Apparent Viscosity (CCS)	ASTM D5293
3	CHEMICAL- LUBRICANTS	Lubricating Oil	ASTM Colour	ASTM D1500
4	CHEMICAL- LUBRICANTS	Lubricating Oil	ASTM Colour	IS 1448 (Part 12)
5	CHEMICAL- LUBRICANTS	Lubricating Oil	Brookfield Viscosity	ASTM D2983
6	CHEMICAL- LUBRICANTS	Lubricating Oil	Calcium	ASTM D6481
7	CHEMICAL- LUBRICANTS	Lubricating Oil	Calcium	ASTM D7751
8	CHEMICAL- LUBRICANTS	Lubricating Oil	Colour	Visual (SOP Ref. 20)
9	CHEMICAL- LUBRICANTS	Lubricating Oil	Cu Strip Corrosion	ASTM D130
10	CHEMICAL- LUBRICANTS	Lubricating Oil	Cu Strip Corrosion	IS 1448 (Part 15)
11	CHEMICAL- LUBRICANTS	Lubricating Oil	Density	ASTM D1298
12	CHEMICAL- LUBRICANTS	Lubricating Oil	Density	ASTM D4052
13	CHEMICAL- LUBRICANTS	Lubricating Oil	Density	ASTM D7042
14	CHEMICAL- LUBRICANTS	Lubricating Oil	Density	IS 1448 (Part 16)
15	CHEMICAL- LUBRICANTS	Lubricating Oil	Emulsion Characteristics	ASTM D1401
16	CHEMICAL- LUBRICANTS	Lubricating Oil	Evaporation Loss (NOACK)	ASTM D5800
17	CHEMICAL- LUBRICANTS	Lubricating Oil	Flash Point (COC)	ASTM D92
18	CHEMICAL- LUBRICANTS	Lubricating Oil	Flash Point (COC)	IS 1448 (Part 69)
19	CHEMICAL- LUBRICANTS	Lubricating Oil	Flash Point (PMCC)	ASTM D93
20	CHEMICAL- LUBRICANTS	Lubricating Oil	Flash Point (PMCC)	IS 1448 (Part 21)
21	CHEMICAL- LUBRICANTS	Lubricating Oil	Foaming Characteristics - Tendency	IS 1448 (Part 67)
22	CHEMICAL- LUBRICANTS	Lubricating Oil	Kinematic Viscosity @ 100°C	ASTM D445
23	CHEMICAL- LUBRICANTS	Lubricating Oil	Kinematic Viscosity @ 100°C	ASTM D7042
24	CHEMICAL- LUBRICANTS	Lubricating Oil	Kinematic Viscosity @ 100°C	IS 1448 (Part 25)
25	CHEMICAL- LUBRICANTS	Lubricating Oil	Kinematic Viscosity @ 40°C	ASTM D445
26	CHEMICAL- LUBRICANTS	Lubricating Oil	Kinematic Viscosity @ 40°C	ASTM D7042
27	CHEMICAL- LUBRICANTS	Lubricating Oil	Kinematic Viscosity @ 40°C	IS 1448 (Part 25, Section 1)
28	CHEMICAL- LUBRICANTS	Lubricating Oil	Magnesium	ASTM D6481

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29	CHEMICAL- LUBRICANTS	Lubricating Oil	Magnesium	ASTM D7751
30	CHEMICAL- LUBRICANTS	Lubricating Oil	Phosphorus	ASTM D6481
31	CHEMICAL- LUBRICANTS	Lubricating Oil	Phosphorus	ASTM D7751
32	CHEMICAL- LUBRICANTS	Lubricating Oil	Pour Point	ASTM D6749
33	CHEMICAL- LUBRICANTS	Lubricating Oil	Pour Point	ASTM D97
34	CHEMICAL- LUBRICANTS	Lubricating Oil	Pour Point	IS 1448 (Part 10, Section 2)
35	CHEMICAL- LUBRICANTS	Lubricating Oil	Rust Prevention Test	ASTM D665
36	CHEMICAL- LUBRICANTS	Lubricating Oil	SAP Value	ASTM D94
37	CHEMICAL- LUBRICANTS	Lubricating Oil	Sulfated Ash	ASTM D874
38	CHEMICAL- LUBRICANTS	Lubricating Oil	Sulphur	ASTM D6481
39	CHEMICAL- LUBRICANTS	Lubricating Oil	Sulphur	ASTM D7751
40	CHEMICAL- LUBRICANTS	Lubricating Oil	Total Acid Number	ASTM D664
41	CHEMICAL- LUBRICANTS	Lubricating Oil	Total Acid Number	ASTM D974
42	CHEMICAL- LUBRICANTS	Lubricating Oil	Total Base Number (TBN)	ASTM D2896
43	CHEMICAL- LUBRICANTS	Lubricating Oil	Total Base Number (TBN)	IS 1448 (Part 86)
44	CHEMICAL- LUBRICANTS	Lubricating Oil	Viscosity at High Shear Rate & High Temperature	ASTM D4683
45	CHEMICAL- LUBRICANTS	Lubricating Oil	Viscosity Index	ASTM D2270
46	CHEMICAL- LUBRICANTS	Lubricating Oil	Viscosity Index	ASTM D7042
47	CHEMICAL- LUBRICANTS	Lubricating Oil	Viscosity Index	IS 1448 (Part 56)
48	CHEMICAL- LUBRICANTS	Lubricating Oil	Zinc	ASTM D6481
49	CHEMICAL- LUBRICANTS	Lubricating Oil	Zinc	ASTM D7751