National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY CONTROL LABORATORY, INDIAN OIL CORPORATION LTD., LUBE OIL BLENDING PLANT-ASAOTI, VILL & P.O. ASAOTI, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6488 **Page No** 1 of 2

Validity 22/03/2022 to 21/03/2024 **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	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Acid Number	ASTM D 664
2	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Acid Number	ASTM D 974
3	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Acid Number	IS 1448: P: 1
4	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Apparent Viscosity of Engine Oils and Base Stocks	ASTM D 5293
5	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	ASTM Color	ASTM D 1500
6	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	ASTM Color	IS 1448:P 12
7	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Base Number	ASTM D 2896
8	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Base Number	IS 1448: P: 1
9	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Base Number	LBP/QC/WI/15 (Issue No. 01)
10	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Density	ASTM D 1298
11	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Density	ASTM D 4052
12	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Density	ASTM D 7042
13	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Density	IS 1448: P: 16
14	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Determination of Calcium in Lubricating Oils	ASTM D 5185
15	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Determination of Calcium in Lubricating Oils	ASTM D 7751
16	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Determination of phosphorous in Lubricating Oils	ASTM D 5185
17	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Determination of phosphorous in Lubricating Oils	ASTM D 7751
18	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Determination of Sulfur in Lubricating Oils	ASTM D 7751
19	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Determination of Water in Lubricating Oils, and Additives	ASTM D 6304
20	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Determination of Zinc in Lubricating Oils	ASTM D 5185
21	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Determination of Zinc in Lubricating Oils	ASTM D 7751
22	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Evaporation Loss of Lubricating Oils	ASTM D 5800
23	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Flash Point	ASTM D 92

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24	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Flash Point	IS 1448: P: 69
25	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Kinematic Viscosity @ 100°C	ASTM D 445
26	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Kinematic Viscosity @ 100°C	ASTM D-7042
27	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Kinematic Viscosity @ 100°C	IS 1448: P: 25 : Sec 1
28	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Kinematic Viscosity @ 40°C	ASTM D 445
29	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Kinematic Viscosity @ 40°C	ASTM D-7042
30	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Kinematic Viscosity @ 40°C	IS 1448: P: 25 : Sec 1
31	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Low-Temperature Viscosity of Lubricants	ASTM D 2983
32	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Moisture (Crackle)	IS 4543 App B
33	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Pour Point	ASTM D 6749-02
34	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Pour Point	ASTM D 97-17b
35	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Pour Point	IS 1448: P: 10 : Sec 1
36	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Sulfated Ash from Lubricating Oils and Additives	ASTM D 874-13a
37	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Viscosity Index	ASTM D 2270-10
38	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Viscosity Index	IS 1448: P: 56
39	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Viscosity of New and Used Engine Oils at High Shear Rate and High Temperature	ASTM D 4683
40	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Water Separability Test @ 54°C	ASTM D-1401
41	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Water Separability Test @ 54°C	IS 1448:P 91
42	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Water Separability Test @ 82°C	ASTM D-1401
43	CHEMICAL- LUBRICANTS	LUBRICATING OILS (Automotive, Industrial & Specialty Oils)	Water Separability Test @ 82°C	IS 1448: P: 91