National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY CONTROL LABORATORY, LUBE BLENDING PLANT CHENNAI, INDIAN OIL CORPORATION LIMITED, NO.2, ENNORE HIGH ROAD, TONDIARPET, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11498 **Page No** 1 of 1

Validity 24/03/2023 to 23/03/2025 **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	Finished products of lubricants	AdditiveElements EDXRF: Calcium	ASTM D 6481
2	CHEMICAL- LUBRICANTS	Finished products of lubricants	AdditiveElements EDXRF: Phosphorus	ASTM D 6481
3	CHEMICAL- LUBRICANTS	Finished products of lubricants	AdditiveElements EDXRF: Zinc	ASTM D 6481
4	CHEMICAL- LUBRICANTS	Finished products of lubricants	Ash	ASTM D 482
5	CHEMICAL- LUBRICANTS	Finished products of lubricants	ASTM Color Test	ASTM D 1500
6	CHEMICAL- LUBRICANTS	Finished products of lubricants	CCS-Apparent Viscosity of Engine oils using Cold cranking simulator	ASTM D 5293
7	CHEMICAL- LUBRICANTS	Finished products of lubricants	Density by Digital Densitymeter	ASTM D 7042
8	CHEMICAL- LUBRICANTS	Finished products of lubricants	Density by Digital Density meter	ASTM D 4052
9	CHEMICAL- LUBRICANTS	Finished products of lubricants	Flash Point (Cleveland Open Cup)	ASTM D 92
10	CHEMICAL- LUBRICANTS	Finished products of lubricants	Flash Point (Pensky Martens Closed Cup Method)	ASTM D 93
11	CHEMICAL- LUBRICANTS	Finished products of lubricants	Foaming Characteristics: Tendency/Stability- Sequence I,II and III	ASTM D 892
12	CHEMICAL- LUBRICANTS	Finished products of lubricants	HTHS-Measuring viscosity at High shear rate and High temperature	ASTM D 4683
13	CHEMICAL- LUBRICANTS	Finished products of lubricants	Kinematic Viscosity @ 100°C	ASTM D 445
14	CHEMICAL- LUBRICANTS	Finished products of lubricants	Kinematic Viscosity @ 100°C	ASTM D 7042
15	CHEMICAL- LUBRICANTS	Finished products of lubricants	Kinematic Viscosity @ 40°C	ASTM D 7042
16	CHEMICAL- LUBRICANTS	Finished products of lubricants	Kinematic Viscosity@ 40°C	ASTM D 445
17	CHEMICAL- LUBRICANTS	Finished products of lubricants	Pour point (manual)	ASTM D 97
18	CHEMICAL- LUBRICANTS	Finished products of lubricants	Sulphated Ash	ASTM D 874
19	CHEMICAL- LUBRICANTS	Finished products of lubricants	Total Acid Number (Potentiometric)	ASTM D 664
20	CHEMICAL- LUBRICANTS	Finished products of lubricants	Total Base Number (Potentiometric)	ASTM D 2896
21	CHEMICAL- LUBRICANTS	Finished products of lubricants	Viscosity Index	ASTM D 2270