National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BHARAT PETROLEUM CORPORATION LIMITED, QUALITY ASSURANCE LABORATORY, MAK LUBE PLANT, P.O., LONI, GHAZIABAD, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7105 **Page No** 1 of 2

Validity 16/11/2022 to 15/11/2024 **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	Anti Freeze Coolants	Density	IS 1448-Part 16
2	CHEMICAL- LUBRICANTS	Anti Freeze Coolants	Density	ASTM D 4052
3	CHEMICAL- LUBRICANTS	Anti Freeze Coolants	Equilibrium Reflux Boiling Point	IS 5759- Annex -E
4	CHEMICAL- LUBRICANTS	Anti Freeze Coolants	pH of 30 %v/v	JIS K 2234 Clause 8.4
5	CHEMICAL- LUBRICANTS	Anti Freeze Coolants	Water Content	ASTM D-6304
6	CHEMICAL- LUBRICANTS	Greases	Appearance	SOP-9- Issue NO. 3 Issue Dt.01.11.2019
7	CHEMICAL- LUBRICANTS	Greases	Colour Visual	SOP-11- Issue NO. 3 Issue Dt.01.11.2019
8	CHEMICAL- LUBRICANTS	Greases	Consistency of worked Grease at 25 + 0.5°C	IS 1448:P-60
9	CHEMICAL- LUBRICANTS	Greases	Drop Point	ASTM: D 2265
10	CHEMICAL- LUBRICANTS	Lubricants	Density	ASTM D 1298
11	CHEMICAL- LUBRICANTS	Lubricants	Additive elements Zn, (% Mass)	ASTM D 6481
12	CHEMICAL- LUBRICANTS	Lubricants	Additive Elements Ca % mass	ASTM D 6481
13	CHEMICAL- LUBRICANTS	Lubricants	Appearance	SOP-9- Issue NO. 3 Issue Dt.01.11.2019
14	CHEMICAL- LUBRICANTS	Lubricants	Colour , Visual	SOP-11- Issue NO. 3 Issue Dt.01.11.2019
15	CHEMICAL- LUBRICANTS	Lubricants	Colour, ASTM	ASTM D 1500
16	CHEMICAL- LUBRICANTS	Lubricants	Colour, ASTM	IS:1448(Part-12)
17	CHEMICAL- LUBRICANTS	Lubricants	Crackle Test	SOP-10 Issue NO. 3 Issue Dt.01.11.2019
18	CHEMICAL- LUBRICANTS	Lubricants	Density	ASTM D 4052
19	CHEMICAL- LUBRICANTS	Lubricants	Density	IS 1448-Part 16
20	CHEMICAL- LUBRICANTS	Lubricants	Flash Point - Pensky Marten	ASTM D-93.2020
21	CHEMICAL- LUBRICANTS	Lubricants	Flash Point - Pensky Marten	IS 1448:P-21
22	CHEMICAL- LUBRICANTS	Lubricants	Flash Point -COC	ASTMD-92
23	CHEMICAL- LUBRICANTS	Lubricants	Flash Point -COC	IS 1448:P-69
24	CHEMICAL- LUBRICANTS	Lubricants	Kinematic Viscosity, cSt, at 100°C	ASTM D 7042
25	CHEMICAL- LUBRICANTS	Lubricants	Kinematic Viscosity, cSt, at 100°C	ASTM D-445

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26	CHEMICAL- LUBRICANTS	Lubricants	Kinematic Viscosity, cSt, at 100°C	IS 1448:Part-25
27	CHEMICAL- LUBRICANTS	Lubricants	Kinematic Viscosity, cSt, at 40°C	ASTM D 7042
28	CHEMICAL- LUBRICANTS	Lubricants	Kinematic Viscosity, cst, at 40°C	ASTM D-445
29	CHEMICAL- LUBRICANTS	Lubricants	Kinematic Viscosity, cst, at 40°C	IS 1448:P-25
30	CHEMICAL- LUBRICANTS	Lubricants	Pour Point	ASTM D -5949
31	CHEMICAL- LUBRICANTS	Lubricants	Pour Point	IS1448:P-10
32	CHEMICAL- LUBRICANTS	Lubricants	Viscosity Index	ASTM D-2270
33	CHEMICAL- LUBRICANTS	Lubricants	Viscosity Index	IS 1448:56