National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HINDUSTAN PETROLEUM CORPN. LTD. DELHI QC LABORATORY, DELHI TERMINAL, TIKRI KALAN, NH-10, NEW ROHTAK ROAD, WEST DELHI, NEW DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6263 **Page No** 1 of 5

Validity 12/09/2022 to 11/09/2024 **Last Amended on** 10/11/2022

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	Lubricants (Engine Oil, Automated Oil ,Industrial Oil ,Specialty Grade Oil ,Cutting Oil ,Hydraulic Oil ,Greases, Coolant)	APPEARANCE	HP/WI/35 Issue date 12.07.2022
2	CHEMICAL- LUBRICANTS	Lubricants (Engine Oil, Automated Oil ,Industrial Oil ,Specialty Grade Oil ,Cutting Oil ,Hydraulic Oil ,Greases, Coolant)	COLOUR	HP/WI/35 Issue date 12.07.2022
3	CHEMICAL- LUBRICANTS	Lubricants (Engine Oil, Automated Oil ,Industrial Oil ,Specialty Grade Oil ,Cutting Oil ,Hydraulic Oil ,Greases, Coolant)	DENSITY BY HYDROMETER @ 29.5°C	IS 1448 P 16
4	CHEMICAL- LUBRICANTS	Lubricants (Engine Oil, Automated Oil ,Industrial Oil ,Specialty Grade Oil ,Cutting Oil ,Hydraulic Oil ,Greases, Coolant)	DENSITY BY HYDROMETER@ 29.5°C	ASTM D 1298
5	CHEMICAL- LUBRICANTS	Lubricants (Engine Oil, Automated Oil ,Industrial Oil ,Specialty Grade Oil ,Cutting Oil ,Hydraulic Oil ,Greases, Coolant)	KINEMATIC VISCOSITY @ 100 °C	ASTM D 445
6	CHEMICAL- LUBRICANTS	Lubricants (Engine Oil, Automated Oil ,Industrial Oil ,Specialty Grade Oil ,Cutting Oil ,Hydraulic Oil ,Greases, Coolant)	KINEMATIC VISCOSITY @ 100 °C	IS 1448 P 25
7	CHEMICAL- LUBRICANTS	Lubricants (Engine Oil, Automated Oil ,Industrial Oil ,Specialty Grade Oil ,Cutting Oil ,Hydraulic Oil ,Greases, Coolant)	KINEMATIC VISCOSITY @ 40 °C	ASTM D 445
8	CHEMICAL- LUBRICANTS	Lubricants (Engine Oil, Automated Oil ,Industrial Oil ,Specialty Grade Oil ,Cutting Oil ,Hydraulic Oil ,Greases, Coolant)	KINEMATIC VISCOSITY @ 40°C	IS 1448 P 25
9	CHEMICAL- LUBRICANTS	Lubricants (Engine Oil, Automated Oil ,Industrial Oil ,Specialty Grade Oil ,Cutting Oil ,Hydraulic Oil ,Greases, Coolant)	PMCC FLASH POINT	ASTM D 93
10	CHEMICAL- LUBRICANTS	Lubricants (Engine Oil, Automated Oil ,Industrial Oil ,Specialty Grade Oil ,Cutting Oil ,Hydraulic Oil ,Greases, Coolant)	POUR POINT	ASTM D 97
11	CHEMICAL- LUBRICANTS	Lubricants (Engine Oil, Automated Oil ,Industrial Oil ,Specialty Grade Oil ,Cutting Oil ,Hydraulic Oil ,Greases, Coolant)	POUR POINT	IS 1448:P10
12	CHEMICAL- LUBRICANTS	Lubricants (Engine Oil, Automated Oil ,Industrial Oil ,Specialty Grade Oil ,Cutting Oil ,Hydraulic Oil ,Greases, Coolant)	VISCOSITY INDEX	ASTM D 2270
13	CHEMICAL- LUBRICANTS	Lubricants (Engine Oil, Automated Oil ,Industrial Oil ,Specialty Grade Oil ,Cutting Oil ,Hydraulic Oil ,Greases, Coolant)	VISCOSITY INDEX	IS 1448 P 56

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Certificate Number TC-6263 **Page No** 2 of 5

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14	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	AROMATICS, CONTENT	IS 1448 P 23
15	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	DENSITY	IS 1448 P 16
16	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	Determination of particulate contaminant	ASTM D2276
17	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	Determination of particulate contaminant	IP 216
18	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	DISTILLATION 10 % REC. AT °C	ASTM D 86
19	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	DISTILLATION 10% REC. AT °C	IS 1448 P 18
20	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	DISTILLATION 50% REC. AT °C	ASTM D 86
21	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	DISTILLATION, 50% REC AT °C	IS 1448 P 18
22	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	DISTILLATION, 90% REC AT °C	ASTM D 86
23	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	DISTILLATION, 90% REC AT °C	IS 1448 P18
24	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	DISTILLATION, LOSS	ASTM D 86
25	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	DISTILLATION, LOSS	IS 1448 P 18
26	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	ELECTRICAL CONDUCTIVITY	ASTM D 2624
27	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	ELECTRICAL CONDUCTIVITY	IP 274
28	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	ELECTRICAL CONDUCTIVITY	ISO 6297
29	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	EXISTENT GUM	ASTM D 381
30	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	EXISTENT GUM	IS 1448 P 29
31	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	FREEZING POINT	ASTM D 7153
32	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	FREEZING POINT	IS:1448 P 11

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Certificate Number TC-6263 **Page No** 3 of 5

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33	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	KINEMATIC VISCOSITY AT (-20 ºC)	ASTM D 445
34	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	KINEMATIC VISCOSITY AT (-20 ºC)	IS 1448 P 25
35	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	NAPHTHALENE	IS 1448 P 118
36	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	SILVER STRIP CORROSION TEST FOR 4 HRS AT 50°C	IS 1571 Annex B
37	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	TOTAL ACIDITY	IS 1448 P 113
38	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	WATER REACTION: INTERFACE RATING	IS 1448 P 42
39	CHEMICAL- PETROLEUM AND PRODUCTS	ATF/SKO/HSD	FLASH POINT (ABEL)	IP 170
40	CHEMICAL- PETROLEUM AND PRODUCTS	ATF/SKO/HSD	FLASH POINT (ABEL)	IS 1448 P 20
41	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	CALCULATED CETANE INDEX	ASTM D4737
42	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	CALCULATED CETANE INDEX	ISO 4264
43	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	DENSITY BY HYDROMETER	ASTM D 1298
44	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	DENSITY BY HYDROMETER	ASTM D 1298
45	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	DENSITY BY HYDROMETER	IS 1448 P 16
46	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	DISTILLATION 95% V/V RECOVERY	ASTM D 86
47	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	DISTILLATION 95% V/V RECOVERY	IS 1448 P 18
48	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	KINEMATIC VISCOSITY @ 40 ºC	ASTM D 445
49	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	KINEMATIC VISCOSITY @ 40 ºC	IS 1448 P 25
50	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	POUR POINT	ASTM D 97
51	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	POUR POINT	IS 1448:P10

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Certificate Number TC-6263 **Page No** 4 of 5

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52	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	SULFUR CONTENT	ASTM D 5453
53	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	SULFUR CONTENT	ISO 20846
54	CHEMICAL- PETROLEUM AND PRODUCTS	MS	DENSITY BY HYDROMETER	ASTM D1298
55	CHEMICAL- PETROLEUM AND PRODUCTS	MS	DENSITY BY HYDROMETER	IS 1448 P 16
56	CHEMICAL- PETROLEUM AND PRODUCTS	MS	DISTILLATION % EVAP @ 150 °C	ASTM D 86
57	CHEMICAL- PETROLEUM AND PRODUCTS	MS	DISTILLATION % EVAP. @ 100 ºC	IS 1448 P 18
58	CHEMICAL- PETROLEUM AND PRODUCTS	MS	DISTILLATION % EVAP. @ 150 ºC	IS 1448 P 18
59	CHEMICAL- PETROLEUM AND PRODUCTS	MS	DISTILLATION % EVAP. @ 70°C	ASTM D 86
60	CHEMICAL- PETROLEUM AND PRODUCTS	MS	DISTILLATION % EVAP. @ 70°C	IS 1448: P18
61	CHEMICAL- PETROLEUM AND PRODUCTS	MS	DISTILLATION % EVAP.@100 ºC	ASTM D 86
62	CHEMICAL- PETROLEUM AND PRODUCTS	MS	DISTILLATION RESIDUE	ASTM D 86
63	CHEMICAL- PETROLEUM AND PRODUCTS	MS	DISTILLATION RESIDUE	IS 1448 P 18
64	CHEMICAL- PETROLEUM AND PRODUCTS	MS	EXISTENT GUM	ASTM D 381
65	CHEMICAL- PETROLEUM AND PRODUCTS	MS	EXISTENT GUM	IS 1448 P 29
66	CHEMICAL- PETROLEUM AND PRODUCTS	MS	RESEARCH OCTANE NUMBER	ASTM D 2699
67	CHEMICAL- PETROLEUM AND PRODUCTS	MS	RESEARCH OCTANE NUMBER	IS 1448 P 27
68	CHEMICAL- PETROLEUM AND PRODUCTS	MS	SULFUR CONTENT	ASTM D 5453
69	CHEMICAL- PETROLEUM AND PRODUCTS	MS	SULFUR CONTENT	ISO 20846
70	CHEMICAL- PETROLEUM AND PRODUCTS	MS	SULFUR TOTAL	ISO 20847

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Certificate Number TC-6263 **Page No** 5 of 5

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71	CHEMICAL- PETROLEUM AND PRODUCTS	MS/HSD	SULFUR CONTENT	ISO 13032
72	CHEMICAL- PETROLEUM AND PRODUCTS	MS/HSD/SKO	COLOUR	HP/WI/35 Issue date 12.07.2022
73	CHEMICAL- PETROLEUM AND PRODUCTS	MS/HSD/SKO/ATF	APPEARANCE	HP/WI/35 Issue date 12.07.2022
74	CHEMICAL- PETROLEUM AND PRODUCTS	MS/HSD/SKO/ATF	COPPER STRIP CORROISION	ASTM D 130
75	CHEMICAL- PETROLEUM AND PRODUCTS	MS/HSD/SKO/ATF	COPPER STRIP CORROSION	IS 1448 P 15
76	CHEMICAL- PETROLEUM AND PRODUCTS	MS/SKO/ATF	DISTILLATION FINAL BOILING POINT	IS 1448 P 18
77	CHEMICAL- PETROLEUM AND PRODUCTS	MS/SKO/ATF	DISTILLATION FINAL BOILING POINT	IS 1448 P 18
78	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	DENSITY BY HYDROMETER	ASTM D 1298
79	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	DENSITY BY HYDROMETER	IS 1448 P 16
80	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	DISTILLATION REC. @ 200 °C	IS 1448 P 18
81	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	DISTILLATION REC. @ 200 ºC	ASTM D 86
82	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	SMOKE POINT	ASTM D 3122
83	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	SMOKE POINT	IS 1448: P31
84	CHEMICAL- PETROLEUM AND PRODUCTS	SKO/ATF	SAYBOLT COLOUR	ASTM D 156
85	CHEMICAL- PETROLEUM AND PRODUCTS	SKO/ATF	SAYBOLT COLOUR	IS 1448: P 14
86	CHEMICAL- PETROLEUM AND PRODUCTS	SKO/ATF	TOTAL SULPHUR CONTENT	ASTM D 4294