National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : DEV PETRO CHEM R&D CENTRE, 83, PUSHPAK INDUSTRIAL ESTATE, NIKA TUBE COMPOUND, PHASE 1, GIDC, VATVA, AHMEDABAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 12/01/2023 to 11/01/2025 **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	Engine Oil	Aniline Point	IS 1448 (Part 3)
2	CHEMICAL- LUBRICANTS	Engine Oil	API Gravity	ASTM D1298
3	CHEMICAL- LUBRICANTS	Engine Oil	Appearance	ASTM E2680
4	CHEMICAL- LUBRICANTS	Engine Oil	Base Number	ASTM D2896
5	CHEMICAL- LUBRICANTS	Engine Oil	Carbon Residue - Ramsbottom Method	IS 1448 (Part 8)
6	CHEMICAL- LUBRICANTS	Engine Oil	Cloud Point	IS 1448 (Part 10, Section 1)
7	CHEMICAL- LUBRICANTS	Engine Oil	Corrosion Copper Strip (3h / 100°C)	IS 1448 (Part 15)
8	CHEMICAL- LUBRICANTS	Engine Oil	Density at 15°C	IS 1448 (Part 16)
9	CHEMICAL- LUBRICANTS	Engine Oil	Dynamic Viscosity	IS 1448 (Part 25)
10	CHEMICAL- LUBRICANTS	Engine Oil	Fire Point (COC)	IS 1448 (Part 69)
11	CHEMICAL- LUBRICANTS	Engine Oil	Flash Point (COC)	IS 1448 (Part 69)
12	CHEMICAL- LUBRICANTS	Engine Oil	Kinematic Viscosity at 100°C	IS 1448 (Part 25)
13	CHEMICAL- LUBRICANTS	Engine Oil	Kinematic Viscosity at 40°C	IS 1448 (Part 25)
14	CHEMICAL- LUBRICANTS	Engine Oil	Pentane Insoluble	ASTM D893
15	CHEMICAL- LUBRICANTS	Engine Oil	Pour Point	IS 1448 (Part 10, Section 2)
16	CHEMICAL- LUBRICANTS	Engine Oil	Precipitation Number	ASTM D91
17	CHEMICAL- LUBRICANTS	Engine Oil	Relative Density or Specific Gravity	IS 1448 (Part 32)
18	CHEMICAL- LUBRICANTS	Engine Oil	Sediment By Extraction Method	IS 1448 (Part 30)
19	CHEMICAL- LUBRICANTS	Engine Oil	Toluene Insoluble	ASTM D893
20	CHEMICAL- LUBRICANTS	Engine Oil	Viscosity Index	IS 1448 (Part 56)
21	CHEMICAL- LUBRICANTS	Engine Oil	Water and Sediment By Centrifuge Method	IS 1448 (Part 41)
22	CHEMICAL- LUBRICANTS	Engine Oil	Water Content	IS 1448 (Part 40)
23	CHEMICAL- LUBRICANTS	Gear Oil	Dynamic Viscosity	IS 1448 (Part 25)
24	CHEMICAL- LUBRICANTS	Gear Oil	Fire Point (COC)	IS 1448 (Part 69)
25	CHEMICAL- LUBRICANTS	Gear Oil	Kinematic Viscosity at 100°C	IS 1448 (Part 25)
26	CHEMICAL- LUBRICANTS	Gear Oil	Kinematic Viscosity at 40°C	IS 1448 (Part 25)
27	CHEMICAL- LUBRICANTS	Gear Oil	Viscosity Index	IS 1448 (Part 56)

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28	CHEMICAL- LUBRICANTS	Gear Oil	Acid Number	ASTM D664
29	CHEMICAL- LUBRICANTS	Gear Oil	Aniline Point	IS 1448 (Part 3)
30	CHEMICAL- LUBRICANTS	Gear Oil	API Gravity	ASTM D1298
31	CHEMICAL- LUBRICANTS	Gear Oil	Appearance	ASTM E2680
32	CHEMICAL- LUBRICANTS	Gear Oil	Base Number	ASTM D2896
33	CHEMICAL- LUBRICANTS	Gear Oil	Carbon Residue - Ramsbottom Method	IS 1448 (Part 8)
34	CHEMICAL- LUBRICANTS	Gear Oil	Cloud Point	IS 1448 (Part 10, Section 1)
35	CHEMICAL- LUBRICANTS	Gear Oil	Corrosion Copper Strip (3h / 100°C)	IS 1448 (Part 15)
36	CHEMICAL- LUBRICANTS	Gear Oil	Density at 15°C	IS 1448 (Part 16)
37	CHEMICAL- LUBRICANTS	Gear Oil	Flash Point (COC)	IS 1448 (Part 69)
38	CHEMICAL- LUBRICANTS	Gear Oil	Pentane Insoluble	ASTM D893
39	CHEMICAL- LUBRICANTS	Gear Oil	Pour Point	IS 1448 (Part 10, Section 2)
40	CHEMICAL- LUBRICANTS	Gear Oil	Precipitation Number	ASTM D91
41	CHEMICAL- LUBRICANTS	Gear Oil	Relative Density or Specific Gravity	IS 1448 (Part 32)
42	CHEMICAL- LUBRICANTS	Gear Oil	Sediment By Extraction Method	IS 1448 (Part 30)
43	CHEMICAL- LUBRICANTS	Gear Oil	Toluene Insoluble	ASTM D893
44	CHEMICAL- LUBRICANTS	Gear Oil	Water and Sediment By Centrifuge Method	IS 1448 (Part 41)
45	CHEMICAL- LUBRICANTS	Gear Oil	Water Content	IS 1448 (Part 40)
46	CHEMICAL- LUBRICANTS	Hydraulic Oil	Acid Number	ASTM D664
47	CHEMICAL- LUBRICANTS	Hydraulic Oil	Aniline Point	IS 1448 (Part 3)
48	CHEMICAL- LUBRICANTS	Hydraulic Oil	API Gravity	ASTM D1298
49	CHEMICAL- LUBRICANTS	Hydraulic Oil	Appearance	ASTM E2680
50	CHEMICAL- LUBRICANTS	Hydraulic Oil	Carbon Residue - Ramsbottom Method	IS 1448 (Part 8)
51	CHEMICAL- LUBRICANTS	Hydraulic Oil	Cloud Point	IS 1448 (Part 10, Section 1)
52	CHEMICAL- LUBRICANTS	Hydraulic Oil	Corrosion Copper Strip (3h / 100°C)	IS 1448 (Part 15)
53	CHEMICAL- LUBRICANTS	Hydraulic Oil	Density at 15°C	IS 1448 (Part 16)
54	CHEMICAL- LUBRICANTS	Hydraulic Oil	Dynamic Viscosity	IS 1448 (Part 25)

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55	CHEMICAL- LUBRICANTS	Hydraulic Oil	Fire Point (COC)	IS 1448 (Part 69)
56	CHEMICAL- LUBRICANTS	Hydraulic Oil	Flash Point (COC)	IS 1448 (Part 69)
57	CHEMICAL- LUBRICANTS	Hydraulic Oil	Kinematic Viscosity at 100°C	IS 1448 (Part 25)
58	CHEMICAL- LUBRICANTS	Hydraulic Oil	Kinematic Viscosity at 40°C	IS 1448 (Part 25)
59	CHEMICAL- LUBRICANTS	Hydraulic Oil	Pentane Insoluble	ASTM D893
60	CHEMICAL- LUBRICANTS	Hydraulic Oil	Pour Point	IS 1448 (Part 10, Section 2)
61	CHEMICAL- LUBRICANTS	Hydraulic Oil	Precipitation Number	ASTM D91
62	CHEMICAL- LUBRICANTS	Hydraulic Oil	Relative Density or Specific Gravity	IS 1448 (Part 32)
63	CHEMICAL- LUBRICANTS	Hydraulic Oil	Sediment By Extraction Method	IS 1448 (Part 30)
64	CHEMICAL- LUBRICANTS	Hydraulic Oil	Toluene Insoluble	ASTM D893
65	CHEMICAL- LUBRICANTS	Hydraulic Oil	Viscosity Index	IS 1448 (Part 56)
66	CHEMICAL- LUBRICANTS	Hydraulic Oil	Water and Sediment By Centrifuge Method	IS 1448 (Part 41)
67	CHEMICAL- LUBRICANTS	Hydraulic Oil	Water Content	IS 1448 (Part 40)
68	CHEMICAL- LUBRICANTS	Thermic Fluid Oil	Kinematic Viscosity at 40°C	IS 1448 (Part 25)
69	CHEMICAL- LUBRICANTS	Thermic Fluid Oil	Acid Number	ASTM D664
70	CHEMICAL- LUBRICANTS	Thermic Fluid Oil	API Gravity	ASTM D1298
71	CHEMICAL- LUBRICANTS	Thermic Fluid Oil	Appearance	ASTM E2680
72	CHEMICAL- LUBRICANTS	Thermic Fluid Oil	Carbon Residue - Ramsbottom Method	IS 1448 (Part 8)
73	CHEMICAL- LUBRICANTS	Thermic Fluid Oil	Cloud Point	IS 1448 (Part 10, Section 1)
74	CHEMICAL- LUBRICANTS	Thermic Fluid Oil	Corrosion Copper Strip (3h / 100°C)	IS 1448 (Part 15)
75	CHEMICAL- LUBRICANTS	Thermic Fluid Oil	Density at 15°C	IS 1448 (Part 16)
76	CHEMICAL- LUBRICANTS	Thermic Fluid Oil	Dynamic Viscosity	IS 1448 (Part 25)
77	CHEMICAL- LUBRICANTS	Thermic Fluid Oil	Fire Point (COC)	IS 1448 (Part 69)
78	CHEMICAL- LUBRICANTS	Thermic Fluid Oil	Flash Point (COC)	IS 1448 (Part 69)
79	CHEMICAL- LUBRICANTS	Thermic Fluid Oil	Kinematic Viscosity at 100°C	IS 1448 (Part 25)
80	CHEMICAL- LUBRICANTS	Thermic Fluid Oil	Pentane Insoluble	ASTM D893
81	CHEMICAL- LUBRICANTS	Thermic Fluid Oil	Pour Point	IS 1448 (Part 10, Section 2)
82	CHEMICAL- LUBRICANTS	Thermic Fluid Oil	Precipitation Number	ASTM D91

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83	CHEMICAL- LUBRICANTS	Thermic Fluid Oil	Relative Density or Specific Gravity	IS 1448 (Part 32)
84	CHEMICAL- LUBRICANTS	Thermic Fluid Oil	Sediment By Extraction Method	IS 1448 (Part 30)
85	CHEMICAL- LUBRICANTS	Thermic Fluid Oil	Toluene Insoluble	ASTM D893
86	CHEMICAL- LUBRICANTS	Thermic Fluid Oil	Viscosity Index	IS 1448 (Part 56)
87	CHEMICAL- LUBRICANTS	Thermic Fluid Oil	Water and Sediment By Centrifuge Method	IS 1448 (Part 41)
88	CHEMICAL- LUBRICANTS	Thermic Fluid Oil	Water Content	IS 1448 (Part 40)
89	CHEMICAL- LUBRICANTS	Transformer Oil	Acid Number	ASTM D664
90	CHEMICAL- LUBRICANTS	Transformer Oil	Aniline Point	IS 1448 (Part 3)
91	CHEMICAL- LUBRICANTS	Transformer Oil	API Gravity	ASTM D1298
92	CHEMICAL- LUBRICANTS	Transformer Oil	Appearance	ASTM E2680
93	CHEMICAL- LUBRICANTS	Transformer Oil	Carbon Residue - Ramsbottom Method	IS 1448 (Part 8)
94	CHEMICAL- LUBRICANTS	Transformer Oil	Cloud Point	IS 1448 (Part 10, Section 1)
95	CHEMICAL- LUBRICANTS	Transformer Oil	Corrosion Copper Strip (3h /100°C)	IS 1448 (Part 15)
96	CHEMICAL- LUBRICANTS	Transformer Oil	Density at 15°C	IS 1448 (Part 16)
97	CHEMICAL- LUBRICANTS	Transformer Oil	Dielectric Breakdown Voltage	IS 6792
98	CHEMICAL- LUBRICANTS	Transformer Oil	Dynamic Viscosity	IS 1448 (Part 25)
99	CHEMICAL- LUBRICANTS	Transformer Oil	Fire Point (COC)	IS 1448 (Part 69)
100	CHEMICAL- LUBRICANTS	Transformer Oil	Flash Point (COC)	IS 1448 (Part 69)
101	CHEMICAL- LUBRICANTS	Transformer Oil	Kinematic Viscosity at 100°C	IS 1448 (Part 25)
102	CHEMICAL- LUBRICANTS	Transformer Oil	Kinematic Viscosity at 40°C	IS 1448 (Part 25)
103	CHEMICAL- LUBRICANTS	Transformer Oil	Pentane Insoluble	ASTM D893
104	CHEMICAL- LUBRICANTS	Transformer Oil	Pour Point	IS 1448 (Part 10)
105	CHEMICAL- LUBRICANTS	Transformer Oil	Precipitation Number	ASTM D91
106	CHEMICAL- LUBRICANTS	Transformer Oil	Relative Density or Specific Gravity	IS 1448 (Part 32)
107	CHEMICAL- LUBRICANTS	Transformer Oil	Sediment By Extraction Method	IS 1448 (Part 30)
108	CHEMICAL- LUBRICANTS	Transformer Oil	Toluene Insoluble	ASTM D893
109	CHEMICAL- LUBRICANTS	Transformer Oil	Viscosity Index	IS 1448 (Part 56)

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110	CHEMICAL- LUBRICANTS	Transformer Oil	Water and Sediment By Centrifuge Method	IS 1448 (Part 41)
111	CHEMICAL- LUBRICANTS	Transformer Oil	Water Content	IS 1448 (Part 40)
112	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil	Acid Number	ASTM D664
113	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil	API Gravity	ASTM D1298
114	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil	Carbon Residue - Ramsbottom Method	IS 1448 (Part 8)
115	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil	Copper Strips Corrosion Test	IS 1448 (Part 15)
116	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil	Density at 15°C	IS 1448 (Part 16)
117	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil	Flash Point (Abel)	IS 1448 (Part 20)
118	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil	Flash Point (COC)	IS 1448 (Part 69)
119	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil	Gross Heat of Combustion	IS 1448 (Part 6)
120	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil	Kinematic Viscosity at 50°C	IS 1448 (Part 25)
121	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil	Sulphur By Bomb method	IS 1448 (Part 33)
122	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil	Water and Sediment By Centrifuge Method	IS 1448 (Part 41)
123	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil	Water Content - Distillation Method	IS 1448 (Part 40)
124	CHEMICAL- PETROLEUM AND PRODUCTS	Industrial Fuel Oil	Carbon Residue - Ramsbottom Method	IS 1448 (Part 8)
125	CHEMICAL- PETROLEUM AND PRODUCTS	Industrial Fuel Oil	Flash Point (COC)	IS 1448 (Part 69)
126	CHEMICAL- PETROLEUM AND PRODUCTS	Industrial Fuel Oil	Gross Heat of Combustion	IS 1448 (Part 6)
127	CHEMICAL- PETROLEUM AND PRODUCTS	Industrial Fuel Oil	Pour Point	IS 1448 (Part 10, Section 2)
128	CHEMICAL- PETROLEUM AND PRODUCTS	Industrial Fuel Oil	Sediment By Extraction Method	IS 1448 (Part 30)

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129	CHEMICAL- PETROLEUM AND PRODUCTS	Industrial Fuel Oil	Acid Number	ASTM D664
130	CHEMICAL- PETROLEUM AND PRODUCTS	Industrial Fuel Oil	Copper Strips Corrosion Test	IS 1448 (Part 15)
131	CHEMICAL- PETROLEUM AND PRODUCTS	Industrial Fuel Oil	Density at 15°C	IS 1448 (Part 16)
132	CHEMICAL- PETROLEUM AND PRODUCTS	Industrial Fuel Oil	Flash Point (Abel)	IS 1448 (Part 20)
133	CHEMICAL- PETROLEUM AND PRODUCTS	Industrial Fuel Oil	Kinematic Viscosity at 40°C	IS 1448 (Part 25)
134	CHEMICAL- PETROLEUM AND PRODUCTS	Industrial Fuel Oil	Relative Density or Specific Gravity	IS 1448 (Part 32)
135	CHEMICAL- PETROLEUM AND PRODUCTS	Industrial Fuel Oil	Water Content - Distillation Method	IS 1448 (Part 40)
136	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste	Calorific Value	IS 10158
137	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste	Moisture Content	IS 9235
138	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste	Non Volatile Substance	IS 10158
139	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste	Volatile Substance	IS 10158
140	CHEMICAL- SOLID FUELS	Coal	Ash	IS 1350 (Part 1)
141	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon	IS 1350 (Part 1)
142	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value	IS 1350 (Part 2)
143	CHEMICAL- SOLID FUELS	Coal	Moisture on air dry basis.	IS 1350 (Part 1)
144	CHEMICAL- SOLID FUELS	Coal	Sulphur	IS 1350 (Part 3)
145	CHEMICAL- SOLID FUELS	Coal	Total Moisture	IS 1350 (Part 1)
146	CHEMICAL- SOLID FUELS	Coal	Volatile Matter	IS 1350 (Part 1)