National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PENSOL INDUSTRIES LIMITED (CHEMICAL LABORATORY), VILLAGE- JORAR P.O.-NAMKUM, RANCHI, JHARKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5265 **Page No** 1 of 2

Validity 22/06/2022 to 21/06/2024 **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	GREASES	Consistency: penetration at 25 °C: Worked (60 Double Strokes)	IS:1448 (P:60)
2	CHEMICAL- LUBRICANTS	GREASES	Appearance	IS:1448 (P12)
3	CHEMICAL- LUBRICANTS	GREASES	Colour	IS:1448 (P12)
4	CHEMICAL- LUBRICANTS	GREASES	Consistency: penetration at 25 °C: Worked(10,000 Strokes)	IS:1448 (P:60)
5	CHEMICAL- LUBRICANTS	GREASES	Consistency: penetration at 25 °C:(Unworked)	IS:1448 (P:60)
6	CHEMICAL- LUBRICANTS	GREASES	Consistency: penetration at 25 °C:Worked(100000 Strokes)	IS:1448 (P:60):
7	CHEMICAL- LUBRICANTS	GREASES	Copper Corrosion @ 100°C/24 HRS	ASTM D 4048
8	CHEMICAL- LUBRICANTS	GREASES	Copper Corrosion @ 100°C/24 HRS	IS:1448(P:51)
9	CHEMICAL- LUBRICANTS	GREASES	Drop Point °C	IS:1448(P:52)
10	CHEMICAL- LUBRICANTS	GREASES	Four Ball Wear Test (20 kg Load)	ASTM D 2266
11	CHEMICAL- LUBRICANTS	GREASES	Four Ball Weld Load (kg, minimum)	IS:1448(P:170)
12	CHEMICAL- LUBRICANTS	GREASES	Four Ball Weld Load (kg, minimum)	IP:239
13	CHEMICAL- LUBRICANTS	GREASES	Leakage Tendency	ASTM D 1263
14	CHEMICAL- LUBRICANTS	GREASES	Roll Stability	ASTM D 1831
15	CHEMICAL- LUBRICANTS	GREASES	Thermal Stability	IS:1448(P:89)
16	CHEMICAL- LUBRICANTS	LUBES	Aniline Point (°C)	IS: 1448 (P:3)
17	CHEMICAL- LUBRICANTS	LUBES	Appearance	IS:1448 (P12)
18	CHEMICAL- LUBRICANTS	LUBES	Ash Content	IS:1448 (P:4), Sec 2
19	CHEMICAL- LUBRICANTS	LUBES	Colour	IS:1448 (P12)
20	CHEMICAL- LUBRICANTS	LUBES	Colour (Unit)	IS 1448 (Part 12)
21	CHEMICAL- LUBRICANTS	LUBES	Copper Strip Corrosion (Ratings)	IS:1448 (P:15)
22	CHEMICAL- LUBRICANTS	LUBES	Density (gm/ml)	IS:1448 (P:16)

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23	CHEMICAL- LUBRICANTS	LUBES	Emulsion Characteristics of Petroleum Oil (ml)	IS:1448(P:91)
24	CHEMICAL- LUBRICANTS	LUBES	Emulsion Test (ml)	IS 1448 (P:98)
25	CHEMICAL- LUBRICANTS	LUBES	Flash Point PMCC (°C)	IS: 1448 (P : 21)
26	CHEMICAL- LUBRICANTS	LUBES	Flash Point, COC	IS: 1448(P : 69)
27	CHEMICAL- LUBRICANTS	LUBES	Foaming Test (ml)	IS 1448:(P:67)
28	CHEMICAL- LUBRICANTS	LUBES	Four Ball Wear Test (20 kg Load)	ASTM D 2266
29	CHEMICAL- LUBRICANTS	LUBES	Kinematic Viscosity , 40°C	IS: 1448 (P : 25)
30	CHEMICAL- LUBRICANTS	LUBES	Kinematic Viscosity ,100 °C	IS: 1448 (P : 25)
31	CHEMICAL- LUBRICANTS	LUBES	Pour Point ,°C	IS:1448 (P:10), Sec 2
32	CHEMICAL- LUBRICANTS	LUBES	Total Acid No (mg of KOH/gm)	IS: 1448 (P:2)
33	CHEMICAL- LUBRICANTS	LUBES	Total Base Number Equivalent (TBNE)	IS:1448(P:86)
34	CHEMICAL- LUBRICANTS	LUBES	Viscosity Index	IS:1448(P:56)
35	CHEMICAL- LUBRICANTS	Real Cool Coolant, Break fluid, coolant	Ash Content	IS:1448 (P:4)
36	CHEMICAL- LUBRICANTS	Real Cool Coolant, Break fluid, coolant	ERBP	IS:8654
37	CHEMICAL- LUBRICANTS	Real Cool Coolant, Break fluid, coolant	Kinematic Viscosity	IS:1448 (P:4)
38	CHEMICAL- LUBRICANTS	Real Cool Coolant, Break fluid, coolant	pH Value	IS 8654