National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SUN OIL COMPANY PVT LTD., DEPARTMENT OF TESTING LABORATORY, 238, RAI BAHADUR ROAD, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7357 **Page No** 1 of 2

Validity 30/09/2022 to 29/09/2024 **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	Engine coolant & Brake Oil	ERBP	IS: 8654
2	CHEMICAL- LUBRICANTS	Engine Coolant & Brake oil	pH value	IS:8654, Appendix-A
3	CHEMICAL- LUBRICANTS	grease	Free acidity and alkalinity	IS::1448 [P-53]
4	CHEMICAL- LUBRICANTS	Greases	Appearance	SOCPL/SOP/01
5	CHEMICAL- LUBRICANTS	Greases	Color	SOCPL/SOP/01
6	CHEMICAL- LUBRICANTS	Greases	Copper Strip Corrosion at 100°C, 24 hrs	IS:1448 (Part-51)
7	CHEMICAL- LUBRICANTS	Greases	Dropping Point	IS:1448 (Part-52)
8	CHEMICAL- LUBRICANTS	Greases	Evaporation loss , 2 h drying	IS:1448 (Part-61)
9	CHEMICAL- LUBRICANTS	Greases	Leakage tendency of wheel bearing grease	ASTM D 1263
10	CHEMICAL- LUBRICANTS	Greases	Oil separation during storage	IS:1448 (Part-85)
11	CHEMICAL- LUBRICANTS	Greases	Oxidation Stability	IS:1448 (Part-94)
12	CHEMICAL- LUBRICANTS	Greases	Penetration / Consistency at 25°C, un worked	IS:1448 (Part-60)
13	CHEMICAL- LUBRICANTS	Greases	Penetration/Consistency at 25°C, , worked 10,000 strokes	IS:1448 (Part-60)
14	CHEMICAL- LUBRICANTS	Greases	Penetration/Consistency at 25°C, , worked 1,00,,000 strokes	IS:1448 (Part-60)
15	CHEMICAL- LUBRICANTS	Greases	Penetration/Consistency at 25°C, , worked 60 strokes	IS:1448 (Part-60)
16	CHEMICAL- LUBRICANTS	Greases	Roll stability	ASTM D 1831
17	CHEMICAL- LUBRICANTS	Greases	Texture	SOCPL/SOP/01
18	CHEMICAL- LUBRICANTS	Greases	Thermal stability at 100°C, 30 h	IS:1448 (Part-89)
19	CHEMICAL- LUBRICANTS	Greases	Water wash out test	IS:1448 (Part-90)
20	CHEMICAL- LUBRICANTS	Lube Oil	Aniline Point	IS:1448 (Part-3)
21	CHEMICAL- LUBRICANTS	Lube Oil	Appearance of Lube oil	SOCPL/SOP/01
22	CHEMICAL- LUBRICANTS	Lube Oil	Ash Content	IS:1448 (Part-4)
23	CHEMICAL- LUBRICANTS	Lube Oil	Color	IS: 1448 (Part-12)
24	CHEMICAL- LUBRICANTS	Lube Oil	Color	SOCPL/SOP/01

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25	CHEMICAL- LUBRICANTS	Lube Oil	Copper Strip Corrosion (ratings)	IS:1448 (Part-15)
26	CHEMICAL- LUBRICANTS	Lube Oil	Density	IS:1448 (Part-16)
27	CHEMICAL- LUBRICANTS	Lube Oil	Emulsion Characteristics	IS:1448 (Part-91)
28	CHEMICAL- LUBRICANTS	Lube Oil	Fire Point	IS : 1448 (Part-69)
29	CHEMICAL- LUBRICANTS	Lube Oil	Flash Point, COC	IS : 1448 (Part-69)
30	CHEMICAL- LUBRICANTS	Lube Oil	Flash Point, PMCC	IS : 1448 (Part-21)
31	CHEMICAL- LUBRICANTS	Lube Oil	Foaming Characteristics	IS:1448 (Part-67)
32	CHEMICAL- LUBRICANTS	Lube Oil	Kinematic Viscosity at 100°C	IS:1448 (Part-25)
33	CHEMICAL- LUBRICANTS	Lube Oil	Kinematic Viscosity at 40°C	IS:1448 (Part-25)
34	CHEMICAL- LUBRICANTS	Lube Oil	Kinematic Viscosity at 70°C	IS:1448 (Part-25)
35	CHEMICAL- LUBRICANTS	Lube Oil	Moisture Content, Crackle test	SOP-3
36	CHEMICAL- LUBRICANTS	Lube Oil	Pour Point	IS:1IS:1448 (Part-10, Sec-2)
37	CHEMICAL- LUBRICANTS	Lube Oil	Relative Density /Specific Gravity	IS:1448 (Part-16)
38	CHEMICAL- LUBRICANTS	lube oil	Rust preventing characteristics	IS:1448 [P-96],
39	CHEMICAL- LUBRICANTS	Lube Oil	Saponification Value	IS:1448 (Part-55, Sec-1)
40	CHEMICAL- LUBRICANTS	Lube Oil	Total Acid Number	ASTM D 974
41	CHEMICAL- LUBRICANTS	Lube Oil	Viscosity Index	IS:1448 (Part-56)
42	CHEMICAL- LUBRICANTS	Lube Oil	Water Content	IS:1448 (Part-40)
43	CHEMICAL- LUBRICANTS	Soluble Cutting Oil	Emulsion Stability Test	IS:1448 (Part-98)