National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GULF OIL LUBRICANTS INDIA LIMITED, QC LABORATORY, SURVEY NO. 41/6, 41/7, 194, 196/1, 197, 205, 27, 28/1, 228/2, 229, 230, KATHIVAKKAM HIGH ROAD, PONNERI TALUK, CHENNAI, THIRUVALLUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11407 **Page No** 1 of 2

Validity 28/02/2023 to 27/02/2025 **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	AdBlue®, Diesel Exhaust Fluid, AUS 32	Aldehyde	ISO 22241-2 (Annex F)
2	CHEMICAL- LUBRICANTS	AdBlue®, Diesel Exhaust Fluid, AUS 32	Alkalinity as NH3	ISO 22241-2 (Annex D)
3	CHEMICAL- LUBRICANTS	AdBlue®, Diesel Exhaust Fluid, AUS 32	Aluminum (Al)	ISO 22241-2 (Annex I)
4	CHEMICAL- LUBRICANTS	AdBlue®, Diesel Exhaust Fluid, AUS 32	Aspect / Appearance	GOLIL/LAB/WI/01 (Issue Number: 01/ Issue Date 01/01/2022)
5	CHEMICAL- LUBRICANTS	AdBlue®, Diesel Exhaust Fluid, AUS 32	Biuret	ISO 22241-2 (Annex E)
6	CHEMICAL- LUBRICANTS	AdBlue®, Diesel Exhaust Fluid, AUS 32	Calcium (Ca)	ISO 22241-2 (Annex I)
7	CHEMICAL- LUBRICANTS	AdBlue®, Diesel Exhaust Fluid, AUS 32	Chromium (Cr)	ISO 22241-2 (Annex I)
8	CHEMICAL- LUBRICANTS	AdBlue®, Diesel Exhaust Fluid, AUS 32	Copper (Cu)	ISO 22241-2 (Annex I)
9	CHEMICAL- LUBRICANTS	AdBlue®, Diesel Exhaust Fluid, AUS 32	Density at 20°C	ISO 12185
10	CHEMICAL- LUBRICANTS	AdBlue®, Diesel Exhaust Fluid, AUS 32	Determination of Identity by FTIR Spectrometry Method	ISO 22241-2 (Annex J)
11	CHEMICAL- LUBRICANTS	AdBlue®, Diesel Exhaust Fluid, AUS 32	Insoluble Matter	ISO 22241-2 (Annex G)
12	CHEMICAL- LUBRICANTS	AdBlue®, Diesel Exhaust Fluid, AUS 32	Iron (Fe)	ISO 22241-2 (Annex I)
13	CHEMICAL- LUBRICANTS	AdBlue®, Diesel Exhaust Fluid, AUS 32	Magnesium (Mg)	ISO 22241-2 (Annex I)
14	CHEMICAL- LUBRICANTS	AdBlue®, Diesel Exhaust Fluid, AUS 32	Nickel (Ni)	ISO 22241-2 (Annex I)
15	CHEMICAL- LUBRICANTS	AdBlue®, Diesel Exhaust Fluid, AUS 32	Phosphate	ISO 22241-2 (Annex H)
16	CHEMICAL- LUBRICANTS	AdBlue®, Diesel Exhaust Fluid, AUS 32	Potassium (K)	ISO 22241-2 (Annex I)
17	CHEMICAL- LUBRICANTS	AdBlue®, Diesel Exhaust Fluid, AUS 32	Refractive Index	ISO 22241-2 (Annex C)
18	CHEMICAL- LUBRICANTS	AdBlue®, Diesel Exhaust Fluid, AUS 32	Sodium (Na)	ISO 22241-2 (Annex I)
19	CHEMICAL- LUBRICANTS	AdBlue®, Diesel Exhaust Fluid, AUS 32	Urea Content	ISO 22241-2 (Annex C)
20	CHEMICAL- LUBRICANTS	AdBlue®, Diesel Exhaust Fluid, AUS 32	Zinc (Zn)	ISO 22241-2 (Annex I)
21	CHEMICAL- LUBRICANTS	Lubricating Oil	Apparent Viscosity of Engine Oil between -5 & -35 °C using Cold Cranking Simulator	ASTM D5293
22	CHEMICAL- LUBRICANTS	Lubricating Oil	Boron (B)	ASTM D4951
23	CHEMICAL- LUBRICANTS	Lubricating Oil	Calcium (Ca)	ASTM D4951
24	CHEMICAL- LUBRICANTS	Lubricating Oil	Color	ASTM D1500
25	CHEMICAL- LUBRICANTS	Lubricating Oil	Density at 29.5 °C	ASTM D4052
26	CHEMICAL- LUBRICANTS	Lubricating Oil	Foaming Characteristics	ASTM D892

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27	CHEMICAL- LUBRICANTS	Lubricating Oil	Kinematic Viscosity at 100 °C	ASTM D445
28	CHEMICAL- LUBRICANTS	Lubricating Oil	Kinematic Viscosity at 40 °C	ASTM D445
29	CHEMICAL- LUBRICANTS	Lubricating Oil	Magnesium (Mg)	ASTM D4951
30	CHEMICAL- LUBRICANTS	Lubricating Oil	Molybdenum (Mo)	ASTM D4951
31	CHEMICAL- LUBRICANTS	Lubricating Oil	Phosphorus (P)	ASTM D4951
32	CHEMICAL- LUBRICANTS	Lubricating Oil	Pour Point °C	ASTM D97
33	CHEMICAL- LUBRICANTS	Lubricating Oil	Sulphur	ASTM D4951
34	CHEMICAL- LUBRICANTS	Lubricating Oil	Total Acid Number	ASTM D664
35	CHEMICAL- LUBRICANTS	Lubricating Oil	Total Base Number	ASTM D2896
36	CHEMICAL- LUBRICANTS	Lubricating Oil	Viscosity Index	ASTM D2270
37	CHEMICAL- LUBRICANTS	Lubricating Oil	Zinc (Zn)	ASTM D4951