National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : FLEETGUARD TEST LABORATORY, GAT NO 87/1, 87/2, VILLAGE NANDUR, TALUKA DAUND, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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
LOCATION 1-GAT NO 87/1, 87/2, VILLAGE NANDUR, TALUKA DAUND, PUNE, MAHARASHTRA, INDIA Permanent Facility				
1	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Elemental Analysis by ICP - Cadmium (Cd)	ASTM D5185
2	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Elemental Analysis by ICP - Manganese(Mn)	ASTM D5185
3	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Elemental Analysis by ICP - Vanadium (V)	ASTM D5185
4	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Elemental Analysis by ICP - Aluminum (Al)	ASTM D5185
5	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Elemental Analysis by ICP - Antimony (Sb)	ASTM D5185
6	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Elemental Analysis by ICP - Barium (Ba)	ASTM D5185
7	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Elemental Analysis by ICP - Boron (B)	ASTM D5185
8	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Elemental Analysis by ICP - Calcium (Ca)	ASTM D5185
9	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Elemental Analysis by ICP - Chromium (Cr)	ASTM D5185
10	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Elemental Analysis by ICP - Copper (Cu)	ASTM D5185
11	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Elemental Analysis by ICP - Iron (Fe)	ASTM D5185
12	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Elemental Analysis by ICP - Lead (Pb)	ASTM D5185
13	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Elemental Analysis by ICP - Magnesium (Mg)	ASTM D5185
14	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Elemental Analysis by ICP - Molybdenum (Mo)	ASTM D5185
15	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Elemental Analysis by ICP - Nickel (Ni)	ASTM D5185
16	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Elemental Analysis by ICP - Phosphorous (P)	ASTM D5185
17	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Elemental Analysis by ICP - Potassium (K)	ASTM D5185
18	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Elemental Analysis by ICP - Silicon (Si)	ASTM D5185

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19	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Elemental Analysis by ICP - Silver (Ag)	ASTM D5185
20	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Elemental Analysis by ICP - Sodium (Na)	ASTM D5185
21	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Elemental Analysis by ICP - Tin (Sn)	ASTM D5185
22	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Elemental Analysis by ICP - Titanium (Ti)	ASTM D5185
23	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Elemental Analysis by ICP - Zinc (Zn)	ASTM D5185
24	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Kinematic Viscosity at 100ºC	ASTM D445
25	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Kinematic Viscosity at 40ºC	ASTM D445
26	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Soot Content	ASTM D5967
27	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Total Acid Number (TAN)	ASTM D664
28	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Total Base Number (TBN)	ASTM D4739
29	CHEMICAL- LUBRICANTS	New Oil (Unused) & Used Oil	Water Content	ASTM D6304
30	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel Exhaust Fluid /AUS 32	Determination of Identity by FTIR Spectrometer	ISO 22241-2 ANNEX J
31	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel Exhaust Fluid /AUS 32	Trace Element Analysis - Aluminum (Al)	ISO 22241-2 Annexure I
32	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel Exhaust Fluid /AUS 32	Trace Element Analysis - Calcium (Ca)	ISO 22241-2 ANNEX I
33	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel Exhaust Fluid /AUS 32	Trace Element Analysis - Chromium (Cr)	ISO 22241-2 ANNEX I
34	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel Exhaust Fluid /AUS 32	Trace Element Analysis- Iron (Fe)	ISO 22241-2 ANNEX I
35	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel Exhaust Fluid /AUS 32	Trace Element Analysis- Copper (Cu)	ISO 22241-2 ANNEX I
36	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel Exhaust Fluid /AUS 32	Trace Element Analysis- Magnesium (Mg)	ISO 22241-2 ANNEX I
37	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel Exhaust Fluid /AUS 32	Trace Element Analysis- Nickel (Ni)	ISO 22241-2 ANNEX I
38	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel Exhaust Fluid /AUS 32	Trace Element Analysis- Phosphate (PO4)	ISO 22241-2 ANNEX I
39	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel Exhaust Fluid /AUS 32	Trace Element Analysis- Potassium (k)	ISO 22241-2 ANNEX I

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40	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel Exhaust Fluid /AUS 32	Trace Element Analysis- Sodium (Na)	ISO 22241-2 ANNEX I
41	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel Exhaust Fluid /AUS 32	Trace Element Analysis- Zinc (Zn)	ISO 22241-2 ANNEX I
42	MECHANICAL- AUTOMOTIVE COMPONENTS	Aerosol Separator	Crankcase pressure control test	ISO/TS 17536-2
43	MECHANICAL- AUTOMOTIVE COMPONENTS	Aerosol Separator	Fractional Efficiency	ISO 17536-4
44	MECHANICAL- AUTOMOTIVE COMPONENTS	Aerosol Separator	Gravimetric Efficiency test	ISO/TS 17536-2
45	MECHANICAL- AUTOMOTIVE COMPONENTS	Aerosol Separator	Pressure loss test	ISO/TS 17536-2
46	MECHANICAL- AUTOMOTIVE COMPONENTS	Air Intake System and Air Cleaner	Resonance detection	JIS D1601
47	MECHANICAL- AUTOMOTIVE COMPONENTS	Air Intake System and Air Cleaner	Resonance Endurance	JIS D1601
48	MECHANICAL- AUTOMOTIVE COMPONENTS	Air Intake System and Air Cleaner	Restriction and Differential Pressure test Vs Flow characteristics	ISO 5011
49	MECHANICAL- AUTOMOTIVE COMPONENTS	Air Intake System and Air Cleaner	Vibration Endurance	JIS D1601
50	MECHANICAL- AUTOMOTIVE COMPONENTS	Air-Intake System and Air Cleaner	Capacity	ISO 5011
51	MECHANICAL- AUTOMOTIVE COMPONENTS	Air-Intake System and Air Cleaner	Capacity	ISO 5011
52	MECHANICAL- AUTOMOTIVE COMPONENTS	Air-Intake System and Air Cleaner	Final Life Efficiency	ISO 5011
53	MECHANICAL- AUTOMOTIVE COMPONENTS	Air-Intake System and Air Cleaner	Initial Efficiency	ISO 5011

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54	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel And Lube Filters	Resonance detection	ISO 4548-7
55	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel And Lube Filters	Resonance Endurance	ISO 4548-7
56	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel And Lube Filters	Vibration Endurance	ISO 4548-7
57	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel and Lube Filters (Head Assembly)	Resonance Detection	JIS D1601
58	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel and Lube Filters (Head Assembly)	Resonance Endurance	JIS D1601
59	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel and Lube Filters (Head Assembly)	Vibration Endurance	JIS D1601
60	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel Filter	Contamination Retention Capacity	ISO 19438
61	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel Filter	Filtration Efficiency (>45 micron)	ISO 19438
62	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel Filter	Impulse Fatigue	ISO 4548-5
63	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel Filters	Flush and Brush Component Cleanliness	ISO 16232
64	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel Filters	Differential Pressure vs Flow characteristics	ISO 19438
65	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel Filters	Filtration Efficiency (>4 micron)	ISO 19438
66	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel Filters	Flush and Brush Component Cleanliness	Cummins Engineering Standard CES -16599 -Method II
67	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel Filters	Internally Flowed Component Cleanliness	Cummins Engineering Standard CES -16599 - Method VI

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68	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel Filters	Internally Flowed Component Cleanliness	ISO 16232
69	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel Filters	Pressurized Spraying	Cummins Engineering Standard CES -16599 -Method IV
70	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel Filters	Pressurized Spraying	ISO 16232
71	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel Filters	Ultrasonic Component Cleanliness	Cummins Engineering Standard CES -16599 -Method III
72	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel Filters	Ultrasonic Component Cleanliness	ISO 16332
73	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel Water Separator	Fuel water separation efficiency	ISO 16332
74	MECHANICAL-AUTOMOTIVE COMPONENTS	Lube Filters	Flush and Brush Component Cleanliness	Cummins Engineering Standard CES - 16724-Method II
75	MECHANICAL-AUTOMOTIVE COMPONENTS	Lube Filters	Flush and Brush Component Cleanliness	ISO 16232
76	MECHANICAL-AUTOMOTIVE COMPONENTS	Lube Filters	Internally Flowed Component Cleanliness	Cummins Engineering Standard CES - 16724-Method VI
77	MECHANICAL-AUTOMOTIVE COMPONENTS	Lube Filters	Internally Flowed Component Cleanliness	ISO 16232
78	MECHANICAL-AUTOMOTIVE COMPONENTS	Lube Filters	Pressurized Spraying	Cummins Engineering Standard CES - 16724-Method IV
79	MECHANICAL-AUTOMOTIVE COMPONENTS	Lube Filters	Pressurized Spraying	ISO 16232
80	MECHANICAL-AUTOMOTIVE COMPONENTS	Lube Filters	Ultrasonic Component Cleanliness	Cummins Engineering Standard CES - 16724-Method III
81	MECHANICAL-AUTOMOTIVE COMPONENTS	Lube Filters	Ultrasonic Component Cleanliness	ISO 16232

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82	MECHANICAL-AUTOMOTIVE COMPONENTS	Lube Filters	Visual Inspection	Engineering Standard CES -16724-Method I
83	MECHANICAL-AUTOMOTIVE COMPONENTS	Lube Filters	Visual Inspection	ISO 16232
84	MECHANICAL-AUTOMOTIVE COMPONENTS	Lubricating Oil Filter	Filtration efficiency (>4 micron)	ISO 16889
85	MECHANICAL-AUTOMOTIVE COMPONENTS	Lubricating Oil Filter	Filtration efficiency (>45 micron)	ISO 4548-12
86	MECHANICAL-AUTOMOTIVE COMPONENTS	Lubricating Oil Filter	Contaminant retention capacity	ISO 16889
87	MECHANICAL-AUTOMOTIVE COMPONENTS	Lubricating Oil Filter	Contaminant retention capacity	ISO 4548-12
88	MECHANICAL-AUTOMOTIVE COMPONENTS	Lubricating Oil Filter	Differential Pressure Vs Flow characteristics	ISO 3968
89	MECHANICAL-AUTOMOTIVE COMPONENTS	Lubricating Oil Filter	Filtration Efficiency (>45 micron)	ISO 16889
90	MECHANICAL-AUTOMOTIVE COMPONENTS	Lubricating Oil Filter	Filtration efficiency (>4 micron)	ISO 4548-12
91	MECHANICAL-AUTOMOTIVE COMPONENTS	Lubricating Oil Filter	Impulse Fatigue Pressure	ISO 4548-5

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LOCATION 2 - R&D PROTO VALIDATION CENTER, GAT NO. 76/72/2A,VILLAGE NANDUR, TALUKA DAUND, PUNE, MAHARASHTRA, INDIA Permanent Facility				
1	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel Filters	Collapse	ISO 4020
2	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel Filters	Collapse	SAE J905
3	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel Filters	Filter Capacity	SAE J905
4	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel Filters	Initial single pass Efficiency (@ 10 micron)	SAE J1985
5	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel Filters	Initial single pass Efficiency (@ 20 micron)	SAE J1985
6	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel Filters	Initial single pass Efficiency (@ 5 micron)	SAE J1985
7	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel Filters	Media Migration	SAE J905
8	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel Filters	Resistance to Flow differential pressure	ISO 4020
9	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel Filters	Resistance to Flow Differential Pressure	SAE J905
10	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel water separator	Coarse Droplet Water/ Fuel Separation Test Procedure	SAE J1839
11	MECHANICAL-AUTOMOTIVE COMPONENTS	Fuel water separator	Emulsified Fuel/Water separation efficiency	SAE J1488
12	MECHANICAL-AUTOMOTIVE COMPONENTS	Lubricating Oil Filter	Collapse Resistance Differential pressure	SAE HS806
13	MECHANICAL-AUTOMOTIVE COMPONENTS	Lubricating Oil Filter	Media Migration	SAE HS806