National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : AEROSPACE LAB - CMTI, TUMKUR ROAD, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9684 **Page No** 1 of 1

Validity 19/07/2021 to 18/07/2023 **Last Amended on** 28/04/2022

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	FLUID FLOW- LIQUIDS	Aerospace Components	Pressure Impulse Test	SAE ARP 1383
2	FLUID FLOW- LIQUIDS	Aerospace Couplings, Fitting, Hose	Proof Pressure Test	ISO 1402
3	FLUID FLOW- LIQUIDS	Evaluating Particulate Contamination of Hydraulic Fluids	Particulate contamination by the Gravimetric method	ISO 4405
4	FLUID FLOW- LIQUIDS	Filter	Filtration Performance	ISO 16889
5	FLUID FLOW- LIQUIDS	Filter Elements	Collapse or Burst Pressure Test	ISO 2941
6	FLUID FLOW- LIQUIDS	Filter for internal combustion engine	Static Burst Pressure Test	ISO 1402
7	FLUID FLOW- LIQUIDS	Filter for Internal Combustion Engine	Static Burst Pressure Test	ISO 4548-6
8	FLUID FLOW- LIQUIDS	Filters for Diesel Engines	Differential Pressure vs Flow characteristic	ISO 4020
9	FLUID FLOW- LIQUIDS	For Diesel Fuel and petrol fuel filter for internal combustion engine	Filter Efficiency Test using particle counting and contamination capacity	ISO 19438
10	FLUID FLOW- LIQUIDS	For Hydraulic Tube Fitting Assembly	Proof Pressure Test	AS 2094
11	FLUID FLOW- LIQUIDS	For Tube Fitting Assembly	Hydrostatic Burst Pressure Test	AS 2094
12	FLUID FLOW- LIQUIDS	For Tube Fitting Assembly	Pneumatic Pressure Test	AS 2094
13	FLUID FLOW- LIQUIDS	Hydraulic Filters	Flow Fatigue Test	ISO 3724
14	FLUID FLOW- LIQUIDS	Hydraulic Filters	Hydraulic Pulse Durability Test	ISO 4548-5
15	FLUID FLOW- LIQUIDS	Hydraulic Fluid Power Filter Elements	Fabrication Integrity and Determination of First Bubble Point	ISO 2942
16	FLUID FLOW- LIQUIDS	Hydraulic Hose, Tubbing, and Fittings, Assemblies	Impulse Testing	AS 603 Rev B
17	FLUID FLOW- LIQUIDS	Lubricating oil filters for internal combustion engines	Filtration efficiency using particle counting and contaminant retention capacity	ISO 4548-12
18	FLUID FLOW- LIQUIDS	Oil Filter for Internal Combustion Engine	differential pressure vs flow characteristic	ISO 3968
19	FLUID FLOW- LIQUIDS	Oil Filter for Internal Combustion Engine	differential pressure vs flow characteristic	ISO 4548-1