National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ENGINE DEVELOPMENT CENTER, VE COMMERCIAL VEHICLES LTD., 102 & 102A, INDUSTRIAL AREA NO. 1, PITHAMPUR, DHAR, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11291 **Page No** 1 of 4

Validity 13/01/2023 to 12/01/2025 **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- ATMOSPHERIC POLLUTION	IC Engine- Non Automotive & Construction Engines (Diesel)	Pollutants (measured on steady state cycles and transient test cycles) - CO	AIS 137 Part 7
2	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Automotive (Diesel/CNG)	Error Codes for OBDI & OBD II	AIS -137 Part 4, CH-3, Annexture -14 inclusive of all ammendems
3	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Automotive (Diesel/CNG)	Error codes of OBD I	UNECE89-R49 &R85
4	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Automotive (Diesel/CNG)	Pollutants(measured on steady state cycles and transient test cycles)- CH4(Methane)	AIS -137 Part 4, CH-3, Annexture -14 inclusive of all ammendems
5	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Automotive (Diesel/CNG)	Pollutants(measured on steady state cycles and transient test cycles)-- CH4(Methane)	UNECE89-R49 &R85
6	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Automotive (Diesel/CNG)	Pollutants(measured on steady state cycles and transient test cycles)- CO(carbon monooxide)	AIS -137 Part 4, CH-3, Annexture -14 inclusive of all ammendems
7	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Automotive (Diesel/CNG)	Pollutants(measured on steady state cycles and transient test cycles)-- CO(carbon monooxide)	UNECE89-R49 &R85
8	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Automotive (Diesel/CNG)	Pollutants(measured on steady state cycles and transient test cycles)- NH3(ammonia)	AIS -137 Part 4, CH-3, Annexture -14 inclusive of all ammendems
9	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Automotive (Diesel/CNG)	Pollutants(measured on steady state cycles and transient test cycles)-- NH3(ammonia)	UNECE89-R49 &R85
10	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Automotive (Diesel/CNG)	Pollutants(measured on steady state cycles and transient test cycles)- PM(particulate matter)	AIS -137 Part 4, CH-3, Annexture -14 inclusive of all ammendems
11	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Automotive (Diesel/CNG)	Pollutants(measured on steady state cycles and transient test cycles)-- PM(particulate matter)	UNECE89-R49 &R85
12	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Automotive (Diesel/CNG)	Pollutants(measured on steady state cycles and transient test cycles)- PN(particulate Number)	AIS -137 Part 4, CH-3, Annexture -14 inclusive of all ammendems

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11291 **Page No** 2 of 4

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13	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Automotive (Diesel/CNG)	Pollutants(measured on steady state cycles and transient test cycles)-- PN(particulate Number)	UNECE89-R49 &R85
14	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Automotive (Diesel/CNG)	Pollutants(measured on steady state cycles and transient test cycles)- THC(Total Hydro Carbon)	AIS -137 Part 4, CH-3, Annexture -14 inclusive of all ammendems
15	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Automotive (Diesel/CNG)	Pollutants(measured on steady state cycles and transient test cycles)-- THC(Total Hydro Carbon)	UNECE89-R49 &R85
16	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Automotive (Diesel/CNG)	Pollutants(measured on steady state cycles and transient test cycles)-- Nox(oxides of nitrogen)	AIS -137 Part 4, CH-3, Annexture -14 inclusive of all ammendems
17	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Automotive (Diesel/CNG)	Pollutants(measured on steady state cycles and transient test cycles)-- Nox(oxides of nitrogen)	UNECE89-R49 &R85
18	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Automotive (Diesel/CNG)	Power - Full Load Performance	AIS -137 Part 1,2,3,4,5, CH-3, Annexture -14
19	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Automotive (Diesel/CNG)	Power - Full Load Performance	UNECE89-R24
20	CHEMICAL- ATMOSPHERIC POLLUTION	Internal combustion engine - Non automotive (Diesel)	Pollutants(measured on steady state cycles and transient test cycles)--- OBD /NCD Test - NOx	CPCB : PCLS/5/2005-01 ISO8178: 2008 part-II &III, Ref GSR 771 E & GSR 232 E & AIS -137(PART- 7)
21	CHEMICAL- ATMOSPHERIC POLLUTION	Internal combustion engine - Non automotive (Diesel)	Pollutants(measured on steady state cycles and transient test cycles)--- OBD/NCD / NOx	AIS{Part 4} -137(PART-6 & 7) & AMD 1
22	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Non Automotive Construction Engines (Diesel)	Pollutants(measured on steady state cycles and transient test cycles)--- CO(carbon monooxide)	AIS{Part 4} -137(PART-6 & 7) & AMD 1
23	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Non Automotive Construction Engines (Diesel)	Pollutants(measured on steady state cycles and transient test cycles)--- NH3(ammonia)	AIS{Part 4} -137(PART-6 & 7) & AMD 1
24	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Non Automotive Construction Engines (Diesel)	Pollutants(measured on steady state cycles and transient test cycles)--- OPACITY	AIS{Part 4} -137(PART-6 & 7) & AMD 1

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Certificate Number TC-11291 **Page No** 3 of 4

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25	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Non Automotive Construction Engines (Diesel)	Pollutants(measured on steady state cycles and transient test cycles)--- PM(particulate matter)	AIS{Part 4} -137(PART-6 & 7) & AMD 1
26	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Non Automotive Construction Engines (Diesel)	Pollutants(measured on steady state cycles and transient test cycles)--- PN(particulate Number)	AIS{Part 4} -137(PART-6 & 7) & AMD 1
27	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Non Automotive Construction Engines (Diesel)	Pollutants(measured on steady state cycles and transient test cycles)--- THC(Total Hydro Carbon)	AIS{Part 4} -137(PART-6 & 7) & AMD 1
28	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Non Automotive Construction Engines (Diesel)	Pollutants(measured on steady state cycles and transient test cycles)--- Nox(oxides of nitrogen)	AIS{Part 4} -137(PART-6 & 7) & AMD 1
29	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Non Automotive Genset Engines (Diesel)	Pollutants(measured on steady state cycles and transient test cycles)--- CO(carbon monooxide)	CPCB : PCLS/5/2005-01 ISO8178: 2008 part-II &III, Ref GSR 771 E & GSR 232 E & AIS -137(PART- 7)
30	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Non Automotive Genset Engines (Diesel)	Pollutants(measured on steady state cycles and transient test cycles)--- NH3(ammonia)	CPCB : PCLS/5/2005-01 ISO8178: 2008 part-II &III, Ref GSR 771 E & GSR 232 E & AIS -137(PART- 7)
31	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Non Automotive Genset Engines (Diesel)	Pollutants(measured on steady state cycles and transient test cycles)--- PM(particulate matter)	CPCB : PCLS/5/2005-01 ISO8178: 2008 part-II &III, Ref GSR 771 E & GSR 232 E & AIS -137(PART- 7)
32	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Non Automotive Genset Engines (Diesel)	Pollutants(measured on steady state cycles and transient test cycles)--- THC(Total Hydro Carbon)	CPCB : PCLS/5/2005-01 ISO8178: 2008 part-II &III, Ref GSR 771 E & GSR 232 E & AIS -137(PART- 7)
33	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Non Automotive Genset Engines (Diesel)	Pollutants(measured on steady state cycles and transient test cycles)--- Nox(oxides of nitrogen)	CPCB : PCLS/5/2005-01 ISO8178: 2008 part-II &III, Ref GSR 771 E & GSR 232 E & AIS -137(PART- 7)
34	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Non Automotive Genset Engines (Diesel)	Pollutants(measured on steady state cycles and transient test cycles)--- Smoke/Opacity	CPCB : PCLS/5/2005-01 ISO8178: 2008 part-II &III, Ref GSR 771 E & GSR 232 E & AIS -137(PART- 7)
35	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Non Automotive Genset Engines (Diesel)	Power - Full Load Performance	AIS{Part 4} -137(PART-6 & 7) & AMD 1

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Certificate Number TC-11291 **Page No** 4 of 4

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36	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Engine - Non Automotive Genset Engines (Diesel)	Power - Full Load Performance	CPCB : PCLS/5/2005-01 ISO8178: 2008 part-II &III, Ref GSR 771 E & GSR 232 E & AIS -137(PART- 7)
37	CHEMICAL- ATMOSPHERIC POLLUTION	Mechanical Automotive; Non-Automotive Components Internal Combustion Engine (Test on Automotive & Construction Engines for Diesel & CNG)	Full Load Performance -Power	MORTH/CMVR/TAP/115-116_ ISSUE-4
38	CHEMICAL- ATMOSPHERIC POLLUTION	Mechanical Non-Automotive Internal Combustion Engine (Diesel & CNG) (8 mode emission)	NOx	AIS 137
39	CHEMICAL- ATMOSPHERIC POLLUTION	Mechanical Non-Automotive Internal Combustion Engine (Diesel & CNG) (8 Mode Emission)	CO	AIS 137
40	CHEMICAL- ATMOSPHERIC POLLUTION	Mechanical Non-Automotive Internal Combustion Engine (Diesel & CNG) (8 Mode Emission)	HC	AIS 137