

Laboratory Engine Development Center, VE Commercial Vehicles Ltd., 102,  
Industrial Area No. 1, Pithampur, Distt. Dhar, Madhya Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6398

Page 1 of 2

Validity 12.10.2017 to 11.10.2019

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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**MECHANICAL TESTING**

I.	<b>AUTOMOTIVE COMPONENTS</b>			
1.	<b>Internal Combustion Engines</b>	Full Load Performance Power	MoRTH/CMVR/TAP/115 116 Issue-4:2010 inclusive of amendments ISO 8178:2008	0.28 to 280 kW
		Engine Steady State Cycle		
		CO		0.025 g/kWh to 0.18 g/kWh
		THC	EDC-TPM-01 \ Issue No. 01\ Issue date 02.01.2017\ Revision Number 00\ Annexure VI.	0.022 g/kWh to 0.061 g/kWh
		NOx		2.67 g/kWh to 3.14 g/kWh
		PM		0.015 g/kWh to 0.019 g/kWh
		NH <sub>3</sub>		1.08 g/kWh to 1.26 g/kWh
		Engine Transient Cycle		
		CO		0.11 g/kWh to 1.27 g/kWh
		THC		0.04 g/kWh to 0.098 g/kWh
		NOx		2.77 g/kWh to 3.20 g/kWh
		PM		Mass 1 µg to 5 g
		CH <sub>4</sub>		0.01 g/kWh to 0.02 4000 g/kWh
		NH <sub>3</sub>		1.02 g/kWh to 1.35 g/kWh
		8 Mode Emission Test		
		CO		0.01 g/kWhr to 32.26 g/kWhr

Venugopal. C  
Convenor

N. Venkateswaran  
Program Director

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		THC		0.01 g/kWhr to 160.48 g/kWhr
		NOx		0.01 kWhr to 112.56 kWhr
		PM		Mass 1 µg to 05 g
		5 Mode Emission Test		
		CO		0.01 g/kWhr to 41.26 g/kWhr
		THC		0.01 g/kWhr to 182.12 g/kWhr
		NOx		0.01 kWhr to 118.86 kWhr
		PM		Mass 1 µg to 05 g
		Error Code for OBDII		Qualitative

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