

Laboratory **Anand Advance Research and Testing Centre, Anand Engineering College, NH-2, Keetham, Agra, Uttar Pradesh**

Accreditation Standard **ISO/IEC 17025: 2005**

Certificate Number **TC-6927**

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Validity **20.02.2018 to 19.02.2020**

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.	SUB ASSEMBLY/ANCILLARIES/ACCESSORIES				
1.	Diesel Engine for General Purpose (Eddy current Dynamometer)	Performance Test 12 Hrs. rating test	IS : 10001		
		Fuel Consumption Test	IS : 10000 (Part VIII)	SFC : 10 to 1000 g/ kWh	
		Governing Test	IS : 10000 (Part IV)	Speed : 100 to 10000 rpm	
		Lubricating Oil Consumption	IS : 10000 (Part VII)	Volume/h: 0.001 to 0.50 l/h	
		Power Determination	IS : 10000 (Part IV)	Power : 2 to 20 kW SFC : 10 to 1000 g/ kWh Speed : 100 to 10000 rpm Volume/h: 0.001 to 0.50 l/h Power : 2 to 10 kW	
	(Hydraulic Dynamometer)	Type Test			
		Final Performance Test	IS : 10000 (Part VIII)	SFC : 10 to 1000 g/ kWh	
		Governing	IS : 10000 (Part VII)	Speed : 100 to 10000 rpm	
		Endurance Test	IS : 10000 (Part IX)	Wear : 0.01 to 1000 mm	
		Initial Performance Test	IS : 10000 (Part III)	Temperature : 0 to 1000°C Power : 2 to 20 kW	
2.	Diesel Engine for Agricultural Purpose	Performance Test 12 Hrs. rating test	IS : 10001	Eddy current Dynamometer	
		Fuel Consumption Test	IS : 10000 (Part VIII)	SFC : 10 to 1000 g/ kWh	
		Governing Test	IS : 10000 (Part IV)	Speed : 100 to 10000 rpm	
		Lubricating Oil Consumption	IS : 10000 (Part VII)	Volume/h: 0.001 to 0.50 l/h	

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Power Determination	IS : 10000 (Part IV) 1980 (RA: 2001)	Power : 2 to 20 kW Hydraulic Dynamometer SFC : 10 to 1000 g/ kWh Speed : 100 to 10000 rpm Volume/h: 0.001 to 0.50 l/h Power : 2 to 10 kW
		Type Test		
		Final Performance Test	IS : 10000 (Part VIII) 1980 (RA: 2005)	SFC : 10 to 1000 g/ kWh
		Governing	IS : 10000 (Part VII) 1980 (RA: 2001)	Speed : 100 to 10000 rpm
		Endurance Test	IS : 10000 (Part IX) 1980 (RA: 2006)	Wear : 0.01 to 1000 mm
		Initial Performance Test	IS : 10000 (Part III) 1980 (RA: 1999)	Temperature : 0 to 1000°C Power : 2 to 20 kW

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