Laboratory Anand Advance Research and Testing Centre, Anand Engineering

College, NH-2, Keetham, Agra, Uttar Pradesh

Accreditation Standard ISO/IEC 17025: 2005

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Validity 20.02.2018 to 19.02.2020 Last Amended on --

SI.	Product / Material	Specific Test	Test Method Specification	Range of Testing /
	of Test	Performed	against which tests are	Limits of Detection
			performed	

MECHANICAL TESTING

I.	SUB ASSEMBLY/A	JB ASSEMBLY/ANCILLARIES/ACCESSORIES		
1.	Diesel Engine for	Performance Test	IS: 10001	
	General Purpose	12 Hrs. rating test		
	(Eddy current	Fuel Consumption Test	IS: 10000 (Part VIII)	SFC : 10 to 1000 g/ kWh
	Dynamometer)	Governing Test	IS : 10000 (Part IV)	Speed : 100 to 10000 rpm
		Lubricating Oil	IS : 10000 (Part VII)	Volume/h:
		Consumption		0.001 to 0.50 l/h
		Power Determination	IS : 10000 (Part IV)	Power : 2 to 20 kW
				SFC: 10 to 1000 g/ kWh
	(Hydraulic			Speed : 100 to 10000
	Dynamometer)			rpm
	Dynamometer,			Volume/h:
				0.001 to 0.50 l/h
				Power : 2 to 10 kW
		Type Test		1 60061 : 2 to 16 kVV
		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	Performance Test	IS: 10001	Eddy current
	Agricultural	12 Hrs. rating test	10 40000 (D + 1) (III)	Dynamometer OF 0 40 4 4000 4/11/1/1
	Purpose	Fuel Consumption Test	IS : 10000 (Part VIII)	SFC : 10 to 1000 g/ kWh
		Governing Test	IS : 10000 (Part IV)	Speed : 100 to 10000
		Lubricating Oil	IS : 10000 (Part VII)	rpm Volume/h:
		Consumption	13 . 10000 (Fait VII)	0.001 to 0.50 l/h
		Consumption		0.001 10 0.00 1/11
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20.02.2018 to 19.02.2020 Validity Last Amended on --

SI.	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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