



JOHN DEERE 5036D V2 TRACTOR



सत्यमेव जयते

भारत सरकार

कृषि एवं किसान कल्याण मंत्रालय
कृषि, सहकारिता एवं किसान कल्याण विभाग
मशीनीकरण एवं प्रौद्योगिकी प्रभाग

GOVERNMENT OF INDIA

MINISTRY OF AGRICULTURE AND FARMERS WELFARE

(Department of Agriculture, Cooperation & Farmers Welfare, Mechanization & Technology Division)

केन्द्रीय कृषि मशीनरी प्रशिक्षण एवं परीक्षण संस्थान

ट्रैक्टर नगर, बुदनी (म.प्र.) ४६६ ४४५

CENTRAL FARM MACHINERY TRAINING & TESTING INSTITUTE

(An ISO : 9001 - 2015 Certified Institute)

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T- 1469/1996/2020

**JOHN DEERE 5036D V2 Tractor-Commercial
(Administrative Extension)****1. SCOPE OF TEST**

The "John Deere 5036D V2" tractor had undergone "Commercial (Variant) Test" at this Institute vide test report No. T- 1196/1723/2018 released in **November, 2018**.

Now, the firm has added following optional features in the technical specifications of tractor and requested vide letter no. Nil dated: 05.06.2020, for **Administrative Extension** of "John Deere 5036D V2" as per IS: 12207-2019.

The major features of Standard and Optional Fitment are listed below:

S.No.	Parameters	Specifications	
		Standard Fitment	Optional Fitment
1.	Water separator	Provided	Not provided
2.	Differential lock	Provided	Not provided
3.	Rear drive wheel:		
	Size & Ply rating	12.4 - 28 & 12	13.6-28 & 12

Subsequent to the examination of the case in the light of clause 3.2.4 and Sr. No. (v) of clause 8.1.2 of IS: 12207 - 2019, the request of the applicant for addition of above optional features has been accepted and the Test report is released as under.

The applicant informed that the last cut off chassis and engine number of tractor model "John Deere 5036D V2" generated on production line as under:-

Parameters Modified	Manufacturing Plant	Chassis Number	Engine Number
Water separator, Differential lock & Rear drive wheel	Pune (M.S.)	1PY5036DVLA008403	PY3029D578124
	Dewas (M.P.)	1VY5036DJLA010594	PY3029D575241

- Manufacturer** : M/s. John Deere India Pvt. Ltd.
Gat No. 166 - 167 & 271 - 291,
Off Pune-Nagar Road, Sanaswadi,
Pune - 412 208 (M.S.)
- Location of other manufacturing plant** : i) M/s. John Deere India Pvt. Ltd.
Gat No. 166 - 167 & 271 - 291,
Off Pune-Nagar Road, Sanaswadi,
Pune - 412 208 (M.S.)
- ii) M/s. John Deere India Pvt. Ltd.
Survey No.501, Village-Khatamba
Jamgod, Dewas Bhopal Highway,
Dewas (M. P.) 455115

Test requested by (applicant) : The manufacturer

2. ESSENTIAL TESTS**2.1. SPECIFICATION**

The following are the brief specifications of the tractor. However, for detail specifications of the tractor, the test report No. T- 1196/1723/2018 (November, 2018) and T-1319/1846/2020 (March, 2020) should be referred.

- 2.1.1 Tractor:**
- Make : John Deere
Model : 5036D V2
Brand name : None
Type : Four wheeled, rear wheel driven, unit construction, General purpose, Agricultural Tractor
Country of Origin : India

**2.1.12 Wheel Equipment:-****2.1.12.1 Steering Wheel (s):**

Make	:	Apollo krishak
Number(s)	:	Two
Type of tyre	:	Pneumatic, ribbed
Size & ply rating	:	6.00-16 & 08
Make & size of rims	:	WILP & 4.50E x 16

2.1.12.2 Drive wheel (s):

		<u>Standard Fitment</u>	<u>Optional Fitment</u>
Make	:	Apollo krishak	
Number	:	Two	
Type of tyre	:	Pneumatic, traction	
Size & Ply rating	:	12.4-28 & 12	13.6-28 & 12
Make & size of wheel rim	:	WILP & W11 x 28	

2.2 NOMINAL SPEED TEST

Movement	Gear No.	No of engine revolutions for one revolution of driving wheel	Nominal speed at rated engine speed when fitted with 12.4-28 size tyre of 590 mm radius index, (kmph)	Computed nominal speed at rated engine speed when fitted with 13.4-28 size tyre of 610 mm radius index, (kmph)
			<u>With Standard Fitment (*)</u>	<u>With Optional Fitment</u>
Forward	A1	149.50	2.72	2.81
	A2	101.60	3.99	4.13
	A3	65.27	6.25	6.46
	A4	41.27	9.86	10.19
	B1	49.54	8.27	8.55
	B2	33.64	12.10	12.51
	B3	21.58	18.97	19.61
	B4	13.67	29.90	30.91
Reverse	R1	113.66	3.59	3.71
	R2	77.33	5.26	5.44
	R3	49.52	8.21	8.49
	R4	31.42	12.99	13.43

Remark (*):- Data has been taken from Commercial Variant Test Report of John Deere, 5036D V2 Tractor model bearing test report No. T- 1196/1723/2018 released in November, 2018.

3. SUMMERY OF OBSERVATIONS, COMMENTS & RECOMMENDATIONS**3.1 Salient Observations:**

Optional features on this tractor model have been provided as per IS: 12207-2019.



T- 1469/1996/2020	JOHN DEERE 5036D V2 Tractor-Commercial (Administrative Extension)
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4. CITIZEN CHARTER

Time frame for Testing & Evaluation as per Citizen Charter	Duration of Test	Whether the Test Report is released within the time frame given in Citizen Charter	Remarks
10 Months	01, Month (July, 2020)	Yes	None

TESTING AUTHORITY:

RAJNEESH PATEL
AGRICULTURAL ENGINEER

C.V. CHIMOTE
TEST ENGINEER

J.J.R. NARWARE
DIRECTOR

Test report compiled by Smt. Poonam Khurasia, Senior Technical Assistant.

5. APPLICANT'S COMMENTS

--Nil--