



JOHN DEERE 5036D 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- 1468/1995/2020

**JOHN DEERE 5036D TRACTOR – Commercial
(Administrative Extension)****1. SCOPE OF TEST**

The "John Deere 5036D" tractor had undergone "Initial Commercial Test" at this Institute vide test report No. T-1133/1659/2018 released in February, 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" 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" generated on production line as under:-

Parameters Modified	Manufacturing Plant	Chassis Number	Engine Number
Water separator, Differential lock & Rear drive wheel	Pune (M.S.)	1PY5036DKLA008185	PY3029D558943
	Dewas (M.P.)	1VY5036DCLA010628	PY3029D578879

- 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 (s)** : 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. SPECIFICATIONS**

The following are the brief specifications of the tractor. However, for detail specifications of the tractor, the test report No. T- 1133/1659/2018 (February, 2018) and T-1319/1846/2020 (March, 2020) should be referred.

- 2.1.1 Tractor:**
- Make : John Deere
Model : 5036D
Brand name : None
Type : Four wheeled, rear wheel driven, unit construction, Standard 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	3.13	3.24
	A2	101.60	4.59	4.75
	A3	65.27	7.14	7.38
	A4	41.27	11.29	11.67
	B1	49.54	9.43	9.75
	B2	33.64	13.88	14.35
	B3	21.58	21.59	22.32
	B4	13.67	34.18	35.34
Reverse	R1	113.66	4.11	4.25
	R2	77.33	6.04	6.24
	R3	49.52	9.43	9.75
	R4	31.42	14.86	15.36

Remark (*):- Data has been taken from Initial Commercial Test Report of John Deere, 5036D Tractor model bearing test report No. T- 1133/1659/2018 released in February, 2018.

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

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



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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--