

व्यावसायिक परीक्षण रिपोर्ट (प्रथम बैच)

संख्या/No: PT-166/1527

COMMERCIAL TEST REPORT (First Batch)

माह@Month: August 2023

THIS TEST REPORT IS VALID UP TO 31.07.2028



## VST SHAKTI 165 DI-S POWER PLUS POWER TILLER



सत्यमेव जयते

भारत सरकार

Government of India

कृषि एवं किसान कल्याण मंत्रालय

Ministry of Agriculture and Farmers Welfare

कृषि एवं किसान कल्याण विभाग

Department of Agriculture and Farmers Welfare

दक्षिणी क्षेत्र कृषि मशीनरी प्रशिक्षण एवं परीक्षण संस्थान

Southern Region Farm Machinery Training and Testing Institute

ट्रैक्टर नगर, गार्लदिन्ने - 515 731, जिला: अनंतपुर (आं. प्र.)

Tractor Nagar, Garladinne- 515 731, District: Anantapur (A.P.)

[An ISO 9001:2015 CERTIFIED INSTITUTE]

Website: <http://srfmtti.dacnet.nic.in/>

E-mail: [fmti-sr@nic.in](mailto:fmti-sr@nic.in)

Tele.: 08551-286441

PT-166/1527	VST SHAKTI 165 DI-S POWER PLUS POWER TILLER COMMERCIAL TEST (1 <sup>st</sup> BATCH TEST)
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Manufacturer : M/s. V.S.T. Tillers Tractors Ltd.,  
Plot No. 222-224 & 229-232, 3<sup>rd</sup> Phase,  
KIADB Industrial Area,  
Malur, Kolar District-563130,  
Karnataka., India.

Applicant : The Manufacturer

Indigenous/ Imported : **Indigenous**

**VST SHAKTI 165 DI-S POWER PLUS POWER TILLER**

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Year: **2023**



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- 17.4 **Brakes:**  
the brake assembly was dismantled and all the components were found in normal working condition.
- 17.5 **Rotary drive unit:**  
The rotary drive unit was dismantled and all the components were found in normal working condition.
- 17.6 **Steering system:**  
All the components of the steering clutch assemblies were inspected and found in normal working condition.
- 17.7 **Magneto:**  
All the components of Magneto assembly was inspected and found in normal working condition.

### 18. SUMMARY OF OBSERVATIONS, COMMENTS & RECOMMENDATIONS

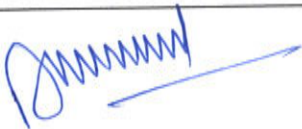


Evaluative (mandatory)/ Non-evaluative (non-mandatory) parameters applicable for Qualifying Minimum Performance Criteria as per **Clause – 4.1 (Table-1) of IS 13539: 2018 (Second revision)** for acceptance of the power tiller for the purpose of subsidies/institutional financing are summarized as under:

Sl. No.	Characteristics	Category (Evaluative/ Non Evaluative)	Requirements as per IS 13539: 2018 (Second revision)	Values Declared by the applicant/ requirement	As observed	Whether meets the requirements (Yes/No)
1	2	3	4	5	6	7
18.1	<b>Engine Performance:</b>					
a)	Maximum power under 2h test, kW (hp)	Evaluative	Declared value to be achieved with a tolerance of $\pm 10$ percent	11.9	11.47	Yes
b)	Power at rated engine speed, (kW)	Non-Evaluative	-do-	11.9	11.47	Yes

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	2		3	4
-Distance traveled per liter of fuel consumption, (km)	:	11.09 to 11.60	11.12	
Av. fuel consumption, (cc/km/tonne)	:	43.10 to 45.08	44.97	
<b>Maintenance/service problems:</b>	:	None of the problems was observed in the previous sample.	None of the problems was observed in the present sample.	
<b>Adequacy of literature:</b>	:	Provided	Provided	

**TESTING AUTHORITY:**

 <b>PRAMOD YADAV</b> AGRICULTURAL ENGINEER	 <b>D.C. MOULI</b> AGRICULTURAL ENGINEER
 <b>Dr. B.M. NANDEDE</b> <b>DIRECTOR</b>	

**20. APPLICANTS COMMENTS**

Applicant comments:	
Page No.61 of 18.17.3,18.17.4,18.17.6 18.17.7,18.17.8,18.17.9,18.17.10 18.17.11,18.17.12,18.18	Observation will be studied, and necessary corrective action will be taken for quality improvement in products.

