

व्यावसायिकपरीक्षणरिपोर्ट (प्रारंभिक)
COMMERCIAL TEST REPORT
(First Batch Test)

संख्याNo: PT-160/1440
माहMonth: October , 2022
Validity: 30.09.2027



VST SHAKTI 135 DI-ULTRA.S 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

ट्रेक्टर नगर, गार्लदिन्ने ' 515 731, जिला: अनंतपुर (आं. प्र.)

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

[AN ISO 9001:2015 CERTIFIED INSTITUTITE]

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

E-mail: fmti-sr@nic.in

Tele./FAX: 08551-286441

PT- 160/1440	VST SHAKTI 135 DI-ULTRA. S POWER TILLER	Commercial (First Batch Test)
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Manufacturer : M/s. V.S.T. Tillers Tractors Ltd.,
Plot No. 222-224 & 229-232, 3rd Phase,
KIADB Industrial Area, Malur,
Kolar District - 563130, Karnataka, India.

Applicant : The manufacturer

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PT- 160/1440	VST SHAKTI 135 DI-ULTRA. S POWER TILLER	Commercial (First Batch Test)	
19.2.6	Mechanical vibration:		
	Maximum amplitude of vibration at, (micron):		
	-Gear shifting lever	: 187	248
	-Steering handle grip	: 267	260
	-Rotary shaft speed change lever	: 180	277
	-Steering clutch lever	: 301	260
	-Accelerator lever	: 354	284
19.2.7	Haulage test:		
	-Gross mass of trailer, (tones)	: 1.5	1.5
	-Av. traveled speed, (kmph)	: 14.96 to 15.62	16.00
	-Distance traveled per liter of fuel consumption, (km)	: 12.15 to 12.44	11.60
	-Av. fuel consumption, (cc/km/tonne)	: 53.59 to 54.86	57.47
19.3	Maintenance/service problems:	: None	None
19.4	Adequacy of literature:	: 1. Service manual and Operator manual cum Part's catalogue of Power Tiller. 2. Service manual and Part's catalogue of Engine.	Operator cum service manual and parts catalogue for power tiller and engine in English in separate booklets.

TESTING AUTHORITY



B.N. Dixit
B.N. DIXIT

AGRICULTURAL ENGINEER

P. Kamalabai

P.KAMALABAI

SENIOR AGRICULTURAL ENGINEER

K.K. Nagle
K.K.NAGLE
DIRECTOR

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17. APPLICANT'S COMMENTS

S. No	Para No	
1	16.17.3,16.17.9, 16.18,16.19, 16.17.10, 16.17.11 16.17.12	The necessary corrective action will be taken and will be incorporate in future production models.
2	16.17.4,16.17.8,16.17,13 & 16.17.7	Suggestion & recommendation will be incorporated for the quality of products & necessary corrective action will be taken

APPENDIX - III

POWER TILLER RUN HOURS DURING TEST

A.	LABORATORY AND TRACK TESTS:	HOURS
1.	Running-in	5.0
2.	Engine performance test	11.16
3.	Smoke level test	0.5
4.	Rotary shaft performance test	7.50
5.	Drawbar performance test	15.0
6.	Turning ability	0.5
7.	Air cleaner oil pull over test	3.50
8.	Noise measurement (1 + 1)	1.50
9.	Mechanical vibration test	0.5
10.	Theoretical speed test	1.00
11.	Parking brake test	0.5
B.	Miscellaneous test and other run hours including idle run, transportation, trials and preparation for test	5.00
	TOTAL:	51.16