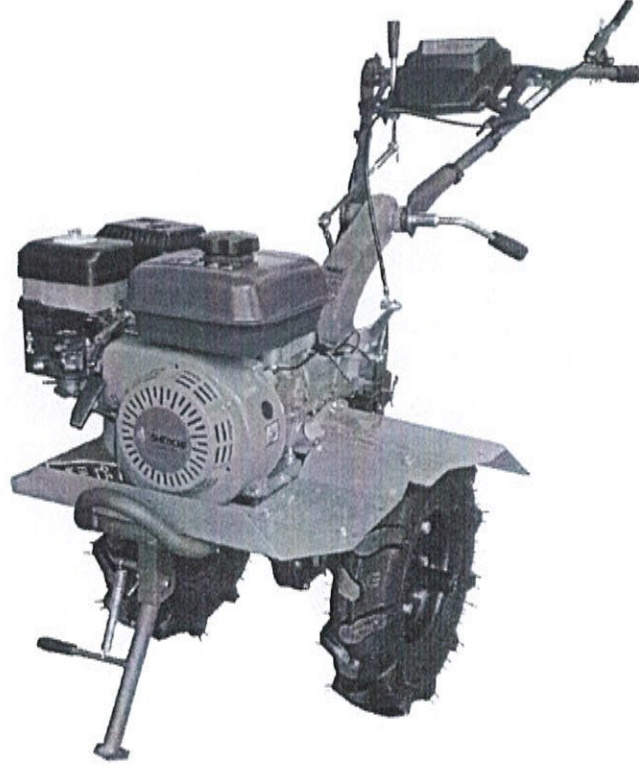


व्यावसायिक परीक्षण रिपोर्ट (प्रारंभिक)
COMMERCIAL TEST REPORT
(INITIAL)

संख्या/No: Machine-505/1520

माह/Month: July, 2023

Validity: 30.06.2028



SHRACHI 4P3 POWER WEEDER



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

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Machine-505/1520	SHRACHI 4P3 POWER WEEDER	COMMERCIAL (ICT)
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Manufacturer(apa) : M/s. Shrachi Agrimech Ltd
 Shrachi Tower. 686, Anandapur EM
 Bypass-RB Connector Junction Kolkata-700100

Applicant : M/s. Shrachi Agrimech Ltd
 Shrachi Tower. 686, Anandapur EM
 Bypass-RB Connector Junction Kolkata-700100

SHRACHI 4P3 POWER WEEDER

Report no.: **Machine-505/1520**

Month: **JULY**

Year: **2023**



सत्यमेव जयते

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Machine- 505/1520	SHRACHI 4P3 POWER WEEDER	COMMERCIAL (ICT)
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components were found in normal condition.

17. COMMENTS & RECOMMENDATIONS

17.1 Engine Performance:

17.1.1 The maximum power and rated power were observed as 3.26 kW, under natural ambient condition against the declared value of 3.0 kW.

17.1.2 Specific fuel consumption of engine corresponding to maximum power was recorded as 437 g/kWh against the declared value of 400 g/kWh. This should be looked into for corrective action.

17.1.3 Max. Torque was observed as 10.03 Nm against the declared value of 11.0 Nm.

17.1.4 Back up torque of engine was observed as 13.96 %, against the declared value of 11%.

17.2 Max. Noise at operator's ear level was observed as 90.5 dB (A).

17.3 The amplitude of mechanical vibration on most of the assemblies of the Power Weeder was observed up to the maximum extent of 372 microns, which is on higher side therefore corrective action to read the vibration should be taken.

17.4 The hardness of rotary blades do not conform to the requirement of IS 6690:1981 (Reaffirmed 2017). This should be looked into for corrective action.

17.5 Chemical composition of rotary blade is not as per the requirement of IS 6690:1981 (Reaffirmed 2017). This should be looked into for corrective action.



17.6 The provided labeling plate should be as per the requirement of the IS.

Machine- 505/1520	SHRACHI 4P3 POWER WEEDER	COMMERCIAL (ICT)
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17.7 Technical literature:

Operators manual and parts catalogue of power weeder were supplied to test sample for reference during the test. It is, however, recommended that same may be revised and brought out in Hindi & other regional languages as per IS 8132:1999 (Reaffirmed 2019) for the sake of user & technical personnel in booklet form.

TESTING AUTHORITY

D.C. MOULI AGRICULTURAL ENGINEER	
P. KAMALABAI SENIOR AGRICULTURAL ENGINEERING/DIRECTOR(I/C)	

18. Applicants Comments

We have gone through all the comments & recommendations as mentioned by you in the DTR of Shrachi 4P3 Power weeder. The same will be taken care of during production of the same machine.