

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

संख्या / No: IMP-545/1174
माह / Month: June , 2020
Validity: 31.05.2027



MASCHIO GASPARDO PINOCCHIO 130 SUBSOILER
(Tractor Mounted)



भारत सरकार

Government of India

कृषि एवं किसान कल्याण मंत्रालय

Ministry of Agriculture and Farmers Welfare

कृषि, सहकारिता एवं किसान कल्याण विभाग

Department of Agriculture, Cooperation and Farmers Welfare

दक्षिणी क्षेत्र कृषि मशीनरी प्रशिक्षण एवं परीक्षण संस्थान

Southern Region Farm Machinery Training and Testing Institute

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

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

[An ISO 9001:2015 CERTIFIED INSTITUTE]

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IMP-545/1174	MASCHIO GASPARDO PINOCCHIO 130 SUBSOILER (Tractor Mounted)	COMMERCIAL (ICT)
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Manufacturer : M/s. Maschio Gaspardo India Pvt. Ltd.,
Plot No. F-27 MIDC, Village - Karegaon,
Tal. Shirur, Ranjangaon,
Dist-Pune - 411 220, **India.**

Applicant : The Manufacturer

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7.1.5 Wear analysis (on mass basis):

7.1.5.1 Shovel:

Sl. No.	Initial mass (g)	Mass after 26.0 h of operation	Loss of mass (g)	Percentage of wear	
				After 26.0 h	Per h
Front tine shovel:					
1	6049.5	5671.2	378.3	6.25	0.24
Rear RHS tine shovel:					
2	6043.8	5767.1	276.1	4.57	0.18
Rear LHS tine shovel:					
3	6025.5	5718.6	306.9	5.09	0.19

7.1.5.2 Blade:

Sl. No.	Initial mass (g)	Mass after 26.0 h of operation	Loss of mass (g)	Percentage of wear	
				After 26.0 h	Per h
Front tine blades:					
1	1601.5	1543.5	58.0	3.62	0.14
2	1604.7	1545.1	59.6	3.71	0.14
Rear RHS tine blades:					
3	1615.8	1567.9	47.9	2.96	0.11
4	1600.4	1555.2	45.2	2.82	0.11
Rear LHS tine blades:					
5	1617.8	1571.8	46.0	2.84	0.10
6	1582.5	1528.4	54.1	3.41	0.13

8. EASE OF OPERATION & ADJUSTMENTS

No difficulty was observed during the operation and adjustment of Subsoiler.

9. DEFECTS, BREAKDOWNS AND REPAIRS

No defect/breakdown was occurred during entire period of field & lab tests

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10. SUMMARY OF OBSERVATIONS, COMMENTS AND RECOMMENDATIONS

- 0.1 The hardness of the shovel meets the requirement of IS 10691:1983 (Reaffirmed 2001).
- 0.2 The specification of implement hitch does not conform in full to the IS 4468 (Pt-I):1997. It is recommended that the same should be provided conforming to the relevant Indian Standards.
- 0.3 The chemical composition of shovel is given in para no.6.2 of this report.
- 0.4 provided labeling plate should be as the requirement of IS.

0.5 Adequacy of literature:

User's maintenance manual & parts catalogue of test sample in English was provided in a separate booklets for reference during the test. However, this may be brought out in Hindi and other regional languages as per IS 8132:1999 (Reaffirmed 2004) for the sake of user & technical personnel.

TESTING AUTHORITY:

B.N. DIXIT AGRICULTURAL ENGINEER	
Dr. P.P. RAO DIRECTOR	

11. APPLICANT'S COMMENTS

Para No.	Our reference	Applicant's comments
11.1	10.2	We will look into it
11.2	10.3	We are using boron steel which is a better material but it is not mentioned in the IS code. Also the quoted code is for rotary tiller and power tillers. This machine is subsoiler.
11.3	10.4	We will do the needful
11.4	10.5	We will do the needful