

THIS TEST REPORT VALID UP TO : 31st JANUARY, 2026



**MASCHIO GASPARD0, CHIARA 230 MULCHER
(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

उत्तरी क्षेत्र कृषि मशीनरी प्रशिक्षण एवं परीक्षण संस्थान

Northern Region Farm Machinery Training and Testing Institute

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[ISO 9001:2015 CERTIFIED]

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11.	Left	811.5	805.2	6.3	0.77	0.02
	Right	810.2	808.2	2	0.24	0.01
	Straight	720.8	718.6	2.2	0.30	0.01
12.	Left	783.6	777.4	6.2	0.79	0.02
	Right	811.8	805.2	6.6	0.81	0.02
	Straight	718.5	715.0	3.5	0.48	0.01
13.	Left	814.2	809.9	4.3	0.52	0.01
	Right	817.2	807.9	9.3	1.13	0.03
	Straight	718.4	714.4	4	0.55	0.01

8. EASE OF OPERATION & ADJUSTMENTS

No noticeable difficulty was observed during the operation and adjustment of Mulcher.

9. DEFECTS, BREAKDOWN AND REPAIRS

No noticeable defect observed during field test

10. COMMENTS AND RECOMMENDATIONS

- 10.1** Labeling plate provided on machine with in adequate information. The labeling plate **MUST** be provided on machine with following information :-
- Name and address of Manufacturer
 - Make
 - Model
 - Size (m) [dia of rotor x width of cut]
 - Country of origin
 - Year of manufacturer [DD/MM/YYYY]
 - Chassis Serial Number.
 - Recommended P.T.O speed of prime mover, (rpm)
 - Maximum P.T.O. power required, kW.
- 10.2** The specifications of implement hitch, does not conform to the IS: 4468:2007. It **MUST** be looked into for corrective action.
- 10.3** Dimensions of PIC of implement does not conform in toto to IS: 4931-1995, it should be looked into for corrective action.
- 10.4** Hardness of the blade does not conform to IS: 6690:1981. This needs to be looked into for corrective action at production level.
- 10.5** The chemical composition of blades does not conform to as per IS: 6690-1981. This needs to be looked into for corrective action at production level.
- 10.6** The safety device on propeller shaft is not provided . It **MUST** be provided.

- 10.7 The grade of grease for greasing at greasing point is mentioned in use & maintenance manual 'AGIP GR MU EP 2 Grease'. It is recommended to mention equivalent grade of grease available in Indian market.
- 10.8 The provision for checking the oil level in the primary transmission box is not provided. It **MUST** be provided.
- 10.9 The dimensions of the PIC yoke bore of shaft does not conform to the IS : 4931:1995. It should be looked into.
- 10.10 **Technical literature:-**
Only use & maintenance manual is provided with the Mulcher for reference during the testing. However the following literature should be provided with machine.
1. Parts catalogue.
- The use & maintenance manual should be updated as per IS : 8132-1999.

**TESTING AUTHORITY**

R. K. NEMA SENIOR AGRICULTURAL ENGINEER	<i>Ren</i>
P. K. PANDEY DIRECTOR	<i>PKP - M086</i>

Test report compiled by : V.S.Shinde, Senior Technical Assistant

11. APPLICANT'S COMMENTS

Para No	Our reference	Applicant's comments
11.1	4.5 Dimension M & N.	We will make required design changes for conforming to Indian standard and implement in production.
11.2	4.6.1 Dimension a, x & horizontal distance between PIC & lower hitch point.	We will make required design changes for conforming to Indian standard and implement in production.
11.3	4.6.3 Dimension W	We will make required design changes for conforming to Indian standard and implement in production.