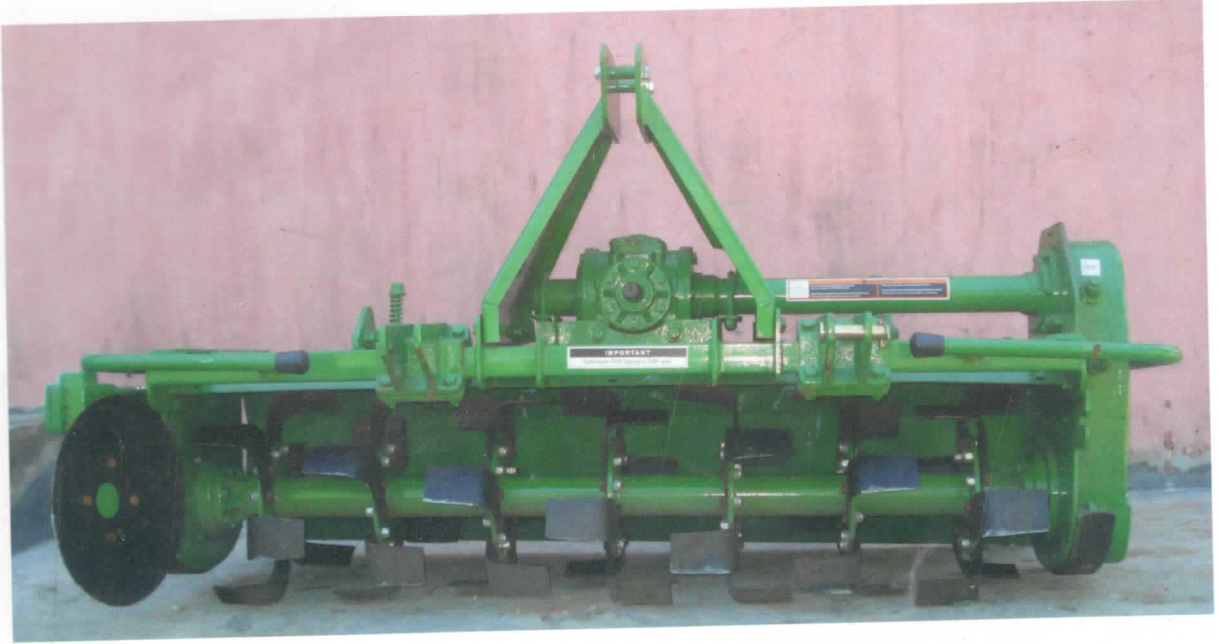


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COMMERCIAL TEST REPORT

संख्या / No. : Imp. 110/157
माह / Month : May, 2012



GREENSYSTEM RT1206 ROTAVATOR

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MINISTRY OF AGRICULTURE

कृषि एवं सहकारिता विभाग
DEPARTMENT OF AGRICULTURE AND COOPERATION

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E-Mail: fmti-ner@nic.in

Imp. 110/157	GREENSYSTEM RT1206 Rotavator (Tractor - mounted) [Commercial Test]	6
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4. SPECIFICATIONS

4.1 General:

Manufacturer : M/s Dasmesh Mechanical Works
 Amargarh, Dist: Sangrur
 Punjab – 148 022

Name of machine : Rotavator

Type : Tractor-Mounted (Chain-drive)

Make : GREENSYSTEM

Model : RT1206

Serial number : 1PYRT120PB6000121

Year of manufacture : 2011

Type of blade : Hatchet (L-Shaped)

Working width of implement (mm) : 1700

Recommended power source : 45-55 HP

Prime Mover Used during test : New Holland 5500, New Holland 7500 (4WD)

Imp. 110/157	GREENSYSTEM RT1206 Rotavator (Tractor - mounted) [Commercial Test]	23
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8. EFFECTIVENESS OF SEALINGS

After completion of dry & wet land operation for 25.4 and 15.0 hours respectively, the implement was dismantled for checking the effectiveness of sealing provided against ingress of dust, and water/mud in various sub-assemblies/components. The observations are given in ensuing table:

Sl. No.	Location	Whether ingress of mud and/or water was observed (Yes/No)
1	Primary reduction gear box	No
2	Secondary reduction gear box	No
3	Rotor assembly (hub)	No

9. EASE OF OPERATION & ADJUSTMENTS

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

10. DEFECTS, BREAKDOWNS AND REPAIRS

No noticeable defect or breakdown was observed during 40.4 hours of field operation.

11. COMMENTS AND RECOMMENDATIONS

- 11.1 The specifications of implement hitch, in full, do not conform to the IS: 4468 (Part-1)-1997. Hence, it is recommended that implement should be provided with the hitch conforming to relevant Indian standards.
- 11.2 Dimensions of PIC of implement, in full, do not conform to IS: 4931-1995 and therefore, it should be looked into for corrective action.
- 11.3 Chemical composition of rotor blades does not conform to relevant Indian Standards. This should be looked into for appropriate action.

Imp. 110/157	GREENSYSTEM RT1206 Rotavator (Tractor - mounted) [Commercial Test]	24
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11.4 Suitable stickers/labeling plate indicating the grade & change period of oil used in gear boxes should be provided on Rotavator.


11.5 Month/year of manufacture, manufacturer's name and trade mark, (if any), size of implement and power requirement should also be indicated on the labeling plate.

11.6 **Technical literature**

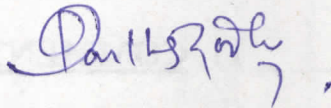
The following literatures were provided for reference during testing:

- Operator and service manual
- Parts catalogue

TESTING AUTHORITY

M. K. VISHWAKARMA DIRECTOR	
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Test conducted/report compiled by:

P. LODH SENIOR TECHNICAL ASSISTANT	
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Imp. 110/157	- GREENSYSTEM RT1206 Rotavator (Tractor - mounted) [Commercial Test]	25
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12. APPLICANT'S COMMENTS

Para No.	Our Reference	Applicant's Comments
12.1	11.1	We agree and will provide implement hitch conforming to Indian Standards IS: 4468-1997 (Part-1).
12.2	11.2	We will make necessary corrections to dimensions of PIC to conform to IS: 4931-1995
12.3	11.3	The blades are manufactured using Boron Steel (27MnCrB5-2) conforming to EN10083 - 3. On the basis of wear analysis test, the wear limit was found within acceptable limits and hence, we would prefer to maintain chemical composition as actually observed during chemical analysis.
12.4	11.4	Suitable stickers on gearboxes indicating the grade and oil change period will be provided.
12.5	11.5	These parameters will be indicated as per the recommendation.