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व्यावसायिक परीक्षण रिपोर्ट
COMMERCIAL TEST REPORT

संख्या / No. : Imp. 97/141
माह / Month : October, 2011



TATA-RT-MG-642L-540 ROTAVATOR



सत्यमेव जयते

भारत सरकार
GOVT OF INDIA

कृषि मन्त्रालय
MINISTRY OF AGRICULTURE

कृषि एवं सहकारिता विभाग

DEPARTMENT OF AGRICULTURE AND COOPERATION

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4. SPECIFICATIONS

4.1 General:

Manufacturer	: TATA STEEL LTD. AGRICO DIVISION ARMOURY GROUND ROAD BISTUPUR, JAMSHEDPUR – 831 001
Name of machine	: Rotavator
Type	: Tractor-Mounted (Gear drive)
Make	: TATA
Model	: TATA-RT-MG-642L-540
Serial number	: Not available
Year of manufacture	: 2010
Type of blade	: Hatchet (L-Shaped)
Working width of implement (mm)	: 1725
Recommended power source	: 40-45 HP
Prime Mover Used during test	: New Holland 5500

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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 occurred during 42.57 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 Dimensions of PIC Yoke bore of PTO drive shaft, in full, do not conform to the requirements of IS: 4931-1995. It should be looked into for corrective action.
- 11.4 Hardness of rotor blades does not conform to relevant Indian Standards. This needs to be looked into for corrective action.

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11.5 Suitable stickers indicating the grade & change period of oil used in gear boxes should be pasted on Rotavator.

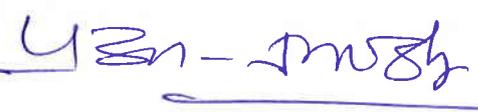
11.6 A labeling plate indicating the particulars like Make, Model, Serial No., month/year of manufacture, manufacturer's name and trade mark, (if any), size of implement & power requirement needs to be provided on a non-wearing part of the implement.

11.7 **Technical literature**

The following literatures were provided for reference during testing:

- User manual
- Instruction manual & Spares list.

TESTING AUTHORITY

<p style="text-align: center;">P. K. PANDEY SENIOR TEST ENGINEER</p>	
<p style="text-align: center;">M.K. VISHWAKARMA DIRECTOR</p>	

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12. APPLICANT'S COMMENTS

Para No.	Our Reference	Applicant's Comments
12.1	11.1	We will do and provide all implements as per Indian Standards IS: 4468(Pt-I) - 1997.
12.2	11.2	Dimensions of PIC of implement will be changed as per IS: 4931-1995.
12.3	11.3	PIC Yoke bore of PTO shaft will be changed as per IS: 4931-1995.
12.4	11.4	Blade Hardness will be changed as per Indian Standards.
12.5	11.5	The Stickers will be put indicating the grade and change period of oil.
12.6	11.6	We will place labeling plate on the Rotary Tiller to include these information's.
12.7	11.7	Leaflet, operator's manual and spare parts, catalogue will be provided.