

No: LD/FMTC, TRICHY/2025-26/13/86/120

Month: May, 2025

**INITIAL COMMERCIAL TEST REPORT**  
(THIS TEST REPORT VALID UPTO :10/06/2032)



**Tractor Mounted SRT 5.5 (170) MS Semi Champ GD 42 Blade Rotary Tiller**



**FARM MACHINERY TESTING CENTRE**  
**DEPARTMENT OF FARM MACHINERY AND POWER ENGINEERING**  
**AGRICULTURAL ENGINEERING COLLEGE AND RESEARCH INSTITUTE**  
**TAMIL NADU AGRICULTURAL UNIVERSITY**  
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**AGRICULTURAL ENGINEERING COLLEGE & RESEARCH INSTITUTE, TNAU, KUMULUR-621 712,**  
**TRICHY DISTRICT, TAMIL NADU.**

## Tractor Mounted SRT 5.5 (170) MS Semi Champ GD 42 Blade Rotary Tiller

Manufacturer : M/s .Tirth Agro Technology Pvt. Ltd.,  
"SHAKTIMAN", Survey No 108/1,  
Plot No. B, NH-27, NrBharudi Toll Plaza,  
Bhuvana (Village), Taluka: Gondal, Dt.  
Rajkot, State: Gujarat-360311, INDIA

Telephone number : +91(2827)661637  
e-mail address : info@shaktimanagro.com

Subsidiary & Affiliated Office in India : M/s .Tirth Agro Technology Pvt. Ltd.,  
"SHAKTIMAN", Survey No 108/1,  
Plot No. B, NH-27, NrBharudi Toll Plaza,  
Bhuvana (Village), Taluka: Gondal, Dt.  
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# Tractor Mounted SRT 5.5 (170) MS Semi Champ GD 42 Blade Rotary Tiller

Type of test	:	INITIAL COMMERCIAL TEST
Name of machine	:	Tractor Mounted SRT 5.5(170) MS Semi Champ GD 42 Blade Rotary Tiller
Test Report No	:	LD/FMTC, TRICHY/2025-26/13/86/120
Test requested by	:	M/s Tirth Agro Technology Pvt. Ltd., "SHAKTIMAN", Survey No 108/1, Plot No. B, NH-27, NrBharudi Toll Plaza, Bhuvana (Village), Taluka: Gondal, Dt. Rajkot, State: Gujarat-360311, INDIA
Testing Authority	:	Farm Machinery Testing Centre, Agricultural Engineering College & Research Institute, Tamil Nadu Agricultural University, Kumalur – 621 712, Tamil Nadu, India.
Period of Test	:	May 2025

- This Test Report should not be reproduced in part or full without prior permission of the Dean, Farm Machinery Testing Centre, Agricultural Engineering College & Research Institute, Kumalur- 621712
- The data given in the Test Report pertain to the particular machine submitted for test by the Applicant.
- The data collected during the test do not in any way attribute to the durability of the machine.
- The results reported in this report are observed values and no corrections have been applied for atmospheric and site conditions.

## SELECTED CONVERSIONS

S.No	Units	Conversion Factor	ABBREVIATIONS	
1.	Force		Full form	Symbols
	1 kgf	9.80665 N	As per applicant	apa
		2.20462 lb	Average	Av
2.	Power		Hectare	ha
	1 hp	1.01387 metric hp (Ps)	Rockwell Hardness	HRC
		745.7 W	Brinell Hardness	HB
	1 Ps	735.5 W	Diameter	Dia
	1 kW	1.35965 Ps	Indian Standard	IS
3.	Pressure		Mild Steel	MS
	1 psi	6.895 kPa	Not Applicable	N.A.
	1 kgf/cm <sup>2</sup>	98.067 kPa= 735.56 mm of Hg	Not Provided	N.P.
	1 bar	100 kPa= 10 N/cm <sup>2</sup>	Revolutions per minute	rpm
	1 mm of Hg	1.3332 m-bar	Power take-off	P.T.O.

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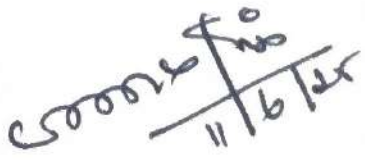





## TEST CONDUCTED BY

Er. V. Kavipriya Test Engineer	 11/6/25
Date of mailing to Director, SRFMTTI, Tractor Nagar, Garladinne, Anantapur, AP.	26.05.2025
REMARKS received if any	-

## TESTING AUTHORITY BY

Dr.R.Thiyagarajan Principal Investigator (FMTC), Associate Professor & Head, Dept. of Farm Machinery & Power Engineering, Agricultural Engineering College & Research Institute, Kumulur - 621 712	 11/6/25
Dr. P. Kamaraj Co-Principal Investigator (FMTC), Associate Professor (Farm Machinery), Dept. of Farm Machinery & Power Engineering, Agricultural Engineering College & Research Institute, Kumulur - 621 712	 11/6/25
Dr. P. Dhananchezhiyan Co-Principal Investigator (FMTC), Assistant Professor (Farm Machinery), Dept. of Farm Machinery & Power Engineering, Agricultural Engineering College & Research Institute, Kumulur - 621 712	 11/6/25

(THIS TEST REPORT VALID UPTO: 10 / 06 / 2032)

  
Dean  
AEC & RI, Kumulur

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