

THIS TEST REPORT IS VALID UPTO 31.12.2030



LASERMATIK, HYDTRA5 TRACTOR TRAILER



सत्यमेव जयते

भारत सरकार

Government of India

कृषि एवं किसान कल्याण मंत्रालय
Ministry of Agriculture and Farmers Welfare

कृषि एवं किसान कल्याण विभाग
Department of Agriculture and Farmers Welfare

दक्षिणी क्षेत्र कृषि मशीनरी प्रशिक्षण एवं परीक्षण संस्थान
Southern Region Farm Machinery Training and Testing Institute

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

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

[An ISO 9001:2015 CERTIFIED INSTITUTE]

Website: <http://srfmtti.dacnet.nic.in/>

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| T-153/1583 | LASERMATIK, HYDTRA5 TRACTOR TRAILER | COMMERCIAL (ICT) |
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Manufacturer : M/S. Gupta Tractors And Implements Sampurna
Nagar Road, Palia Kalan, Dist: Kheri,U.P-262902

Applicant : M/S Lasermatik,40, Pritam Nagar, Sham Nagar
Karnal-132001,Haryana

LASERMATIK, HYDTRA5 TRACTOR TRAILER

Report No. : T-153/1583

Month: **January**

Year: **2024**



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Ministry of Agriculture and Farmers Welfare
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| T-153/1583 | LASERMATIK, HYDTRA5 TRACTOR TRAILER | COMMERCIAL (ICT) |
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Type of test : INITIAL COMMERCIAL TEST

Period of test : 20.11.2023 to 31.01.2024

Test Report No. : T-153/1583

Month / Year of release : January, 2024

- i) The results reported in this report are observed values and no corrections have been applied for atmospheric and site conditions.
- ii) The test sample was selected randomly through virtual mode by the Institute.
- iii) The results presented in this report do not, in any way, attribute to the durability of the machine.
- iv) This report should not be reproduced in part or full without prior permission of the Director, Southern Region Farm Machinery Training and Testing Institute, Garladinne, Anantapur (A.P.).
- V) This is a report on Commercial Test of tractor trailer named **“LASERMATIK, HYDTRA5 TRACTOR TRAILER”** This report is valid up to 31.12.2030, Vide Ministry's O.M. No. 13-22/2020-M&T (I&P) dated 12.12.2023.

SELECTED CONVERSIONS

| S. No | Units | Conversion Factor |
|----------|-----------------------|-----------------------------------|
| 1 | Force | |
| | 1 kgf | 9.80665 N |
| | | 2.20462 lbf |
| 2 | Power | |
| | 1 hp | 1.01387 metric hp (Ps) 745.7 W |
| | 1 Ps | 735.5 W |
| | 1 kW | 1.35962 Ps |
| 3 | Pressure | |
| | 1 psi | 6.895 kPa |
| | 1 kgf/cm ² | 98.067 kPa = 735.56 mm of Hg |
| | 1 bar | 100 kPa = 10 N/cm ² |
| | 1 mm of Hg | 1.3332 m-bar |

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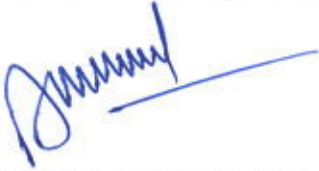


13. SUMMARY OF OBSERVATIONS, COMMENTS AND RECOMMENDATION

- 13.1 The specification of trailer conforms, in full, to the IS 8213:2000 (Reaffirmed 2020).
- 13.2 Lighting arrangement for trailer is provided as per IS 8213:2000 (Reaffirmed 2020).
- 13.3 The dimensions of hydraulic tipping cylinder meets, in full, to the requirement of IS 12371:1988 (Reaffirmed 2019).
- 13.4 The dimensions of ring type hitch meets, in full, the requirement of IS 11270:1985 (Reaffirmed 2019).
- 13.5 The dimension of various components of axle assembly does not confirm, in full, the requirement of IS 8213:2000 (Reaffirmed 2020). This should be taken care for corrective action.
- 13.6 Adequacy of literature:**
Operator manual and parts catalogue should be brought out in Hindi and regional languages as per IS 8213:2000 (Reaffirmed 2020) for the sake of user & technical personnel.

14. Applicant comments

Corrective actions /measures will be taken care of as against your observations.

TESTING AUTHORITY

| | |
|---|---|
|  Er. PRAMOD YADAV AGRICULTURAL ENGINEER |  Er. D.C. MOULI AGRICULTURAL ENGINEER |
|  Dr. B.M. NANDEDE DIRECTOR | |

