

THIS TEST REPORT IS VALID UP TO 30.11.2031



AKASH TRAILER, AT05TONE TRACTOR TRAILER



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

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

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

[An ISO 9001:2015 CERTIFIED INSTITUTE]

T-160/1787	AKASH TRAILER, ATO5TONE TRACTOR TRAILER	COMMERCIAL (ICT)
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Manufacturer : M/S. Akash Enterprise
Plot No. 30. Industrial Estate, Mamta
Nagar, Rajnandgaon, Chhattishgarh,
India.

Applicant : The Manufacturer

AKASH TRAILER, ATO5TONE TRACTOR TRAILER

Report No.: T-160/1787

Month: December

Year: 2024



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Ministry of Agriculture and Farmers Welfare
Department of Agriculture and Farmers Welfare
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T-160/1787	AKASH TRAILER, ATO5TONE TRACTOR TRAILER	COMMERCIAL (ICT)
	THIS TEST REPORT IS VALID UPTO 30.11.2031	

Type of test : COMMERCIAL (ICT)

Period of test : August, 2024

Test Report No. : T-160/1787

Month / Year of release : December, 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 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 name "AKASH TRAILER, ATO5TONE TRACTOR TRAILER". This report is valid up to 30.11.2031, 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


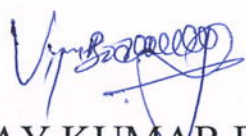

AKASH TRAILER, ATO5TONE TRACTOR TRAILER		COMMERCIAL (ICT)		
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1	2	3	4	5
12	Marking /labeling of machine	The labeling plate should be riveted on the body of machine having name and address of manufacturer, country of origin, make, model, month & year of manufacturer, serial number, size, required size of prime mover (kW), weight (kg)	Provided	Conforms

12. SUMMARY OF OBSERVATIONS, COMMENTS AND RECOMMENDATION

- 12.1** The specification of trailer does not conform, in full, to the IS 8213:2000 (Reaffirmed 2020). This should be looked into for corrective action.
- 12.2** Lighting arrangement for trailer is not provided as per IS 8213:2000 (Reaffirmed 2020). This should be taken care for corrective action.
- 12.3** The dimensions of hydraulic tipping cylinder do not meet, in full, to the requirement of IS 12371:1988 (Reaffirmed 2019). This should be taken care for corrective action.
- 12.4** The dimensions of ring type hitch does not meet, in full, the requirement of IS 11270:1985 (Reaffirmed 2019). This should be taken care for corrective action.
- 12.5** The dimension of various components of axle assembly does not conform, in full, the requirement of IS 8213:2000 (Reaffirmed 2020). This should be taken care for corrective action.
- 12.6 Adequacy of literature:**
Service manual and parts catalogues of trailer were not provided. Operation 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.

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TESTING AUTHORITY

 Er. PRAMOD YADAV AGRICULTURAL ENGINEER	 Er. VIJAY KUMAR BADAYA SENIOR AGRICULTURAL ENGINEER
 Dr. B.M. NANDEDE DIRECTOR	



13.APPLICANT COMMENTS

We will take corrective necessary action as mentioned and recommendation in the report.