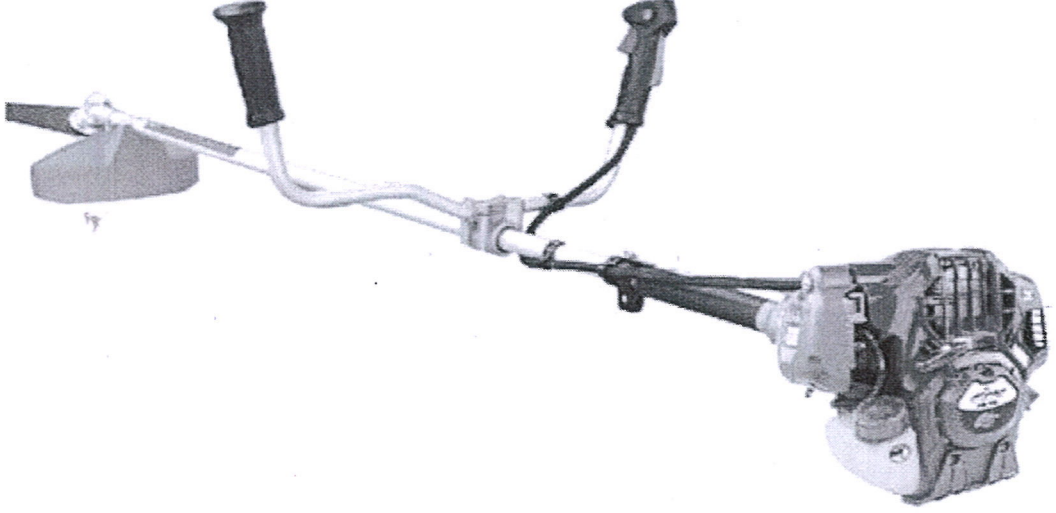


व्यावसायिक परीक्षण रिपोर्ट (प्रारंभिक)
COMMERCIAL TEST REPORT
(INITIAL)

संख्या: No: Machine-489/1497
माह: Month: April, 2023
Validity: 31.03.2028



AGRIMATE AM-530 BRUSH CUTTER



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

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TRACTOR NAGAR, GARLADINNE-515 731, DISTRICT: ANANTAPUR (A.P.)

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E-mail: fmti-sr@nic.in

Tele. 08551-286441

Machine- 489/1497	AGRIMATE AM-530 BRUSH CUTTER	COMMERCIAL (ICT)
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Name of Manufacturer : M/s. Taizhou Dongfeng Technology Co., Ltd.
289 Houcang Road, Zeguo Town, Wenling City,
Taizhou Dist, Zhejiang Province, PRC **China**.

Name of Applicant : M/S. Ratnagiri Impex Pvt Ltd,
Annapurna House, 1/1G, 7th cross,
New Guddadahalli, Mysore Road,
Bangalore-560026

BRUSH CUTTER AGRIMATE AM-530

Report No.: Machine-489/1497 Month: April

Year: 2023



सत्यमेव जयते



Government of India
Ministry of Agriculture and Farmers Welfare
Department of Agriculture and Farmers Welfare
Southern Region Farm Machinery Training and Testing Institute
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Machine-489/1497	AGRIMATE AM-530 BRUSH CUTTER	COMMERCIAL (ICT)
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Main bearings:

Bearing No.	Type of bearings	Diametrical clearance, (mm)	Crankshaft end float, (mm)	Max. permissible clearance limit, (mm)	
				Diametrical clearance	Crankshaft end float
1.	Ball bearing	6201	0.03	0.05	0.05
2.	Ball bearing	6202			

Big end Bearing:

Bearing No.	Clearance, (mm)		Max. permissible clearance limit, (mm)	
	Diametrical clearance	Axial	Diametrical clearance	Axial
1.	*	*	35.10	0.40

* Not measured due to design constraints.

15.2

Transmission system:

All the gears of the transmission system were found in normal condition.

16. COMMENTS & RECOMMENDATIONS

16.1

The safety provisions, as mentioned at para 4.0, have been provided by the applicant for safety aspect of operators.

16.2

The equivalent mechanical vibration on on engine cover was observed to the extent of 477micron. This should be looked into for dampening the vibration.

16.3

A fuel on/off knob may be considered for providing in the fuel system of engine.

16.4

The hardness of blades do not conform to the requirement of IS 6690:1981 (Reaffirmed: 2017). This should be looked into for corrective action.

16.5



The chemical composition of square blade and circular disc were not as per requirement of the relevant code IS 6025:1982 (Reaffirmed: 2019) & therefore it should be looked into for the corrective action.

Machine-489/1497	AGRIMATE AM-530 BRUSH CUTTER	COMMERCIAL (ICT)
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6.6 The provided labeling plate should be as per the requirement of the IS. Engine serial no and make , model of engine should be given with embossing on engine body instead of sticker during production level

6.7 **Adequacy of literature supplied with the machine:**
The User's manual and spare parts list of brush cutter and engine in English were supplied with the brush cutter for reference during the test. It is however, recommended that same may be revised and brought out as per IS: 8132- 1999 (Reaffirmed:2019) for the sake of user & technical personnel.

TESTING AUTHORITY

D.C. MOULI AGRICULTURAL ENGINEER	
P. KAMALABAI SENIOR AGRICULTURAL ENGINEER DIRECTOR(I/C)	

17. APPLICANTS COMMENTS

Sr No.	Our Ref. No.	Applicants comments
1	16	We will inform all your recommendation to our supplier / vendor to implement in their production for future supplies and fine tune with higher quality implement.

