

व्यावसायिकपरीक्षणरिपोर्ट (प्रारंभिक)

संख्या/No: Machine-498/1508

COMMERCIAL TEST REPORT

माह:/Month: June, 2023

(INITIAL)

Validity: 31.05.2028

THIS TEST REPORT IS VALID UPTO 31/05/2028



**CLAAS PADDY PANTHER-26  
RICE TRANSPLANTER**



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 -731 515 , जिला (.प्र .आं) अनंतपुर :

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

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<b>Machine- 498/1508</b>	<b>CLAAS PADDY PANTHER-26 RIDE ON TYPE RICE TRANSPLANTER</b>	<b>COMMERCIAL (ICT)</b>
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Manufacturer : M/s Asia Technologies co. ltd.  
South Korea.

Applicant : M/s CLAAS Agricultural Machinery Pvt  
Ltd. 14<sup>th</sup> Cross Road, 2<sup>nd</sup> stage, 4<sup>th</sup> phase,  
Peenya, Bengaluru, Karnataka-560058.

**CLAAS PADDY PANTHER-26 RIDE ON TYPE RICE TRANSPLANTER**

Report No.: **Machine-498/1508**

Month: **JUNE**

Year: **2023**



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#### 14.2.4 Floats

All the floats were examined visually for cracks, punctures, etc and found in satisfactory working condition. No mud or water entered inside the floats.

#### 14.2.5 Hydraulic system

All components of the hydraulic system were inspected visually and found in satisfactory working condition.

### 15. SUMMARY OF OBSERVATIONS, COMMENTS AND RECOMMENDATIONS

#### 15.1 Engine Performance Test

- (i) The maximum and rated power of the engine at 3600 rpm was observed as 16.27 kW against the declared value of 15.5 kW.
- (ii) The backup torque is 22.82 % against the declared value of 20.3%.
- (iii) Specific fuel consumption corresponding to max. Power was observed as 375 g/kWh against the declared value of 392 g/kWh.
- (iv) Maximum crankshaft torque was observed as 52.78 Nm against the declaration value of 38.15 Nm.



#### 15.2 Field Test

The transplanter was operated in varying field conditions for a total period of 26.00 hours for transplanting MUT-1010 variety of paddy seedlings. The results are summarized as under:-

- ❖ Av. Forward speed of operation was observed as 4.44 to 4.60 kmph.
- ❖ Av. area covered was recorded as 0.520 to 0.546 ha/h.
- ❖ Av. depth of transplanting was recorded as 4.0 to 4.4 cm.
- ❖ The spacing between rows was recorded as 30 cm.
- ❖ Av. number of plants per hill was recorded as 9.
- ❖ Av. spacing between hills was recorded as 20 cm.
- ❖ Av. total number of hills in 5 m row length was recorded as 28
- ❖ The average number of hills per sq. m. was recorded as 24.
- ❖ The average percentage of missed hills was recorded as Nil to 0.83.

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**TESTING AUTHORITY**

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

**16.0 Applicant comments**

We hereby confirm that the completion of testing of our CLAAS Paddy Panther 26 Rice trans planter , we will abide by SRFMTTI suggestions and will do modifications as per improvement suggestions given by you.

