

प्रारंभिक व्यावसायिक परीक्षण रिपोर्ट
INITIAL COMMERCIAL TEST REPORT

संख्या/No. CSIR/CMERI/FMTTC/2024/012

माह/Month: April, 2024

THIS TEST REPORT VALID UP TO : 31st MARCH, 2031



**SS GOLD POWER SPRAYER
(MODEL: SSGPS007)**



सत्यमेव जयते
Government Of India



कृषि मशीनरी प्रशिक्षण और परीक्षण केंद्र
Farm Machinery Training and Testing Centre
सीएसआईआर- केन्द्रीय यांत्रिक अभियांत्रिकी अनुसंधान संस्थान
CSIR - Central Mechanical Engineering Research Institute

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CSIR/CMERI/FMTTC/2024/012

**S S GOLD
POWER SPRAYER (SSGPS007)
(INITIAL COMMERCIAL TEST)**

Name of Machine : Engine operated Power sprayer
Type : HTP Hydraulic Power Sprayer pump
Make : SS GOLD
Model : SSGPS007
Name and address of Manufacturer : ZHEJIANG OUSEN MACHINERY CO.
LTD.
No.1459, Fengnan East Road, Jiaojiang
District, Taizhou, City – Zhejiang, China
Name and address of Applicant : SUPREME SALES AGENCY
33/1, Netaji Subhas Road, Marshal House,
3rd Floor, Kolkata, W.B
Test Conducted at : Farm Machinery Training & Testing Center,
CSIR – Central Mechanical Engineering
Research Institute, M G Avenue, Durgapur,
Pin – 713209, West Bengal

THIS TEST REPORT IS VALID UP TO: 31st March, 2031
[vide DAC&FW OM No. 13-22/2020- M&T (I&P) dated 12.12.2023]



Report No.: CSIR/CMERI/FMTTC/2024/012

Month: April

Year: 2024

**CSIR - Central Mechanical Engineering Research Institute,
Durgapur - 713209
(W.B.), INDIA**

Farm Machinery Training and Testing Centre,
CSIR-Central Mechanical Engineering Research Institute, Durgapur
THIS REPORT IS VALID UPTO: 31st March, 2031

2 of 31

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3 SPECIFICATIONS

3.1 General

Type of machine	: HTP Hydraulic Power Sprayer Pump
Make	: SS GOLD
Model	: SSGPS007
Brand	: SS GOLD
Serial No.	: SSGOLD005PG2210150105
Output Capacity, l/min	: 13.5 – 20 lit/min
Name and address of manufacturer	: ZHEJIANG OUSEN MACHINERY CO. LTD. No.1459, Fengnan East Road, Jiaojiang District, Taizhou, City – Zhejiang, China
Year of manufacture	: 2023
Country of origin	: China

3.2 Recommended Source of Power: Petrol Engine

3.3 Details of prime mover

Name and address of manufacturer	: ZHEJIANG OUSEN MACHINERY CO. LTD. No.1459, Fengnan East Road, Jiaojiang District, Taizhou, City – Zhejiang, China
Type	: Air Cooled, 4 stroke, Overhead Valve (OHV), Single Cylinder, Petrol Engine
Make	: SSGOLD
Model	: 170 F
Sr. No.	: SSGOLD005PG2210150105
Country of origin	: China
Year of manufacture	: 2023
Engine speed (Manufacturer's recommended setting), (rpm)	:
High idle speed	: 3600
Low idle speed	: 2200
Rated speed, (rpm)	: 3600
Max Torque (Nm)*	: 9.5
Rated Power (kW)*	: 5.2
Max Power (kW)*	: 5.2 kW/ 7 HP

*As per Engine test report. Refer in details in Section 6.0.



CSIR/CMERI/FMTTC/2024/012	S S GOLD POWER SPRAYER (SSGPS007) (INITIAL COMMERCIAL TEST)
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21 COMMENTS & RECOMMENDATION

- 21.1 The spray nozzle is not marked and designated. It should be marked and designated as per standard.
- 21.2 The identification mark spray gun is not marked and designated. It should be marked and designated as per standard.
- 21.3 The operator, maintenance & parts manual of sprayer was provided during the test which found inadequate; however, the manual should be updated as per IS: 8132:1999.
- 21.4 Adequate information is not provided in marking and packing as per IS standards. It needs corrective action.
- 21.5 The machine is running smoothly and no rattling sound is observed.

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22 TECHNICAL LITERATURE

The following literatures are provided by the applicant during the test along with the application form.

- a) User's manual book
- b) Parts' catalogue
- c) Service manual

These manuals need to be updated as per IS: 8132-1999.

TESTING AUTHORITY

Report Prepared by	Senior Technical Officer CSIR-CMERI Farm Machinery Testing Centre	<i>[Signature]</i> 09/04/2024
Report Verified & Approved by	In-Charge, CSIR-CMERI Farm Machinery Testing Centre	<i>[Signature]</i> 09/4/2024
Report Approved for release by	Head, Business Development Unit, CSIR-CMERI, Durgapur	<i>[Signature]</i> 09/4/24

23 APPLICANT'S COMMENTS

Para No.	Our Reference	Applicant's Comments
23	21.1 to 21.4	We will be looked into for corrective action in future production.
	21.5	Noted



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