



**THIS TEST REPORT IS VALID UPTO 31/03/2027**



**MULCHER MLD-200**



सत्यमेव जयते

भारत सरकार  
GOVT OF INDIA

कृषि एवं किसान कल्याण मन्त्रालय

MINISTRY OF AGRICULTURE & FARMERS WELFARE

कृषि, सहकारिता एवं किसान कल्याण विभाग

DEPARTMENT OF AGRICULTURE, COOPERATION & FARMERS WELFARE

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[AN ISO 9001:2015 CERTIFIED INSTITUTION]

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#### 4. SPECIFICATIONS

##### 4.1 General:

Name and address of the manufacturer	: M/s New Swan Multitech Ltd.
Name & Address of Applicant	: Village: Raian, P.O.Heeran, KoharaMachiwara Road, Ludhiana (Punjab)-141112
Name of machine	: Mulcher
Type	: Tractor mounted, P.T.O Driven
Make	: Swan Agro
Model	: MLD-200
Year of manufacture	: 2019
Serial Number	: 00591
Type of blade	: Hatchet C-shape & straight blade
Working width of implement (mm)	: 1930
Recommended power source (apa)	: 35 hp and above

##### 4.2 Prime Mover Used:

Tractor used during test	: John Deere – 5075 E
Make	: John Deere
Model	: 5075 E
Chassis No.	: 1 PY5075 EJJA068032
Engine No.	: PY3029 H115664

##### 4.3 Constructional Details (Refer Fig.1) :

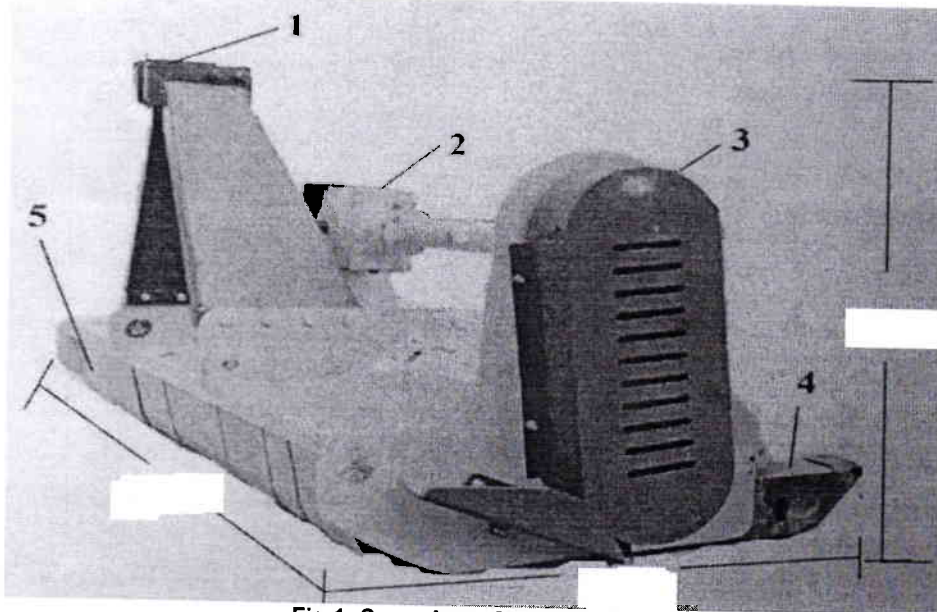


Fig.1: Swan Agro, MLD-200, Mulcher


##### KEYWORDS:

- |                |                                 |
|----------------|---------------------------------|
| 1. Mainframe   | 5. Primary reduction gear box   |
| 2. Side plate  | 6. Secondary reduction gear box |
| 3. Rotor shaft | 7. Skid                         |
| 4. Rotor blade | 8. Hitch pyramid                |

### 10. COMMENTS AND RECOMMENDATIONS

- 10.1 The dimension of three point linkage (hitch pyramid) of the mulcher does not conform to IS: 4468-1997. This should be looked into for corrective action for standardization.
- 10.2 Dimensions of PIC of implement do not conform to IS: 4931-1995 and therefore, it should be looked into for corrective action.
- 10.3 Chemical composition of flail (blade) conforms to IS: 6690-2002. Moreover, the hardness of shank and edge portion of mulcher flail/blades does not conform to relevant Indian Standard. It is therefore, recommended that the material of flail blade should be improved and provided as per requirement of Indian Standard.
- 10.4 Recommended power source mentioned in the application form and on the machine labeling plate is different and it should be same. It should be looked into for corrective action.
- 10.5 **Technical literature:**  
Operator cum Service Manual & Parts Catalogue was provided along with the machine during the course of testing. It is further recommended to bring out these manuals in Hindi and other vernacular languages as per IS: 8132-1999

### TESTING AUTHORITY

  
(M.R. PATIL)  
AGRICULTURAL ENGINEER

  
(J.P. MANDAL)  
SENIOR AGRICULTURAL ENGINEER

  
(K.K. NAGLE)  
DIRECTOR

Draft test report compiled by - **Shri Khagendra Bora, STA**

### 11. APPLICANT'S COMMENTS

Para No	Our Reference	Applicants Comments
11.1	10.1	We take an appropriate action in further production for the same to comply IS 4468-1997.
11.2	10.2	We take an appropriate action in further production for the same to comply IS 4391-1995.
11.3	10.3	We take an appropriate action in further production for the same.
11.4	10.4	We take an appropriate action in further production for the same.