

TRAINING ON ANTAM STANDARD CODE For TESTING OF KNAPSACK MISTERS CUM DUSTERS

PART - 9: TEST REPORTS

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**2nd Training of Trainers on ANTAM Codes
Organized by ANTAM and CAMTC**

TEST REPORTS

BY

XC ZHANG and J.P. DOUZALS Trainers

Remarks

- 1.This report is invalid without the official logo of ANTAM.
2. Report shall not be duplicated in full or part without the approval of ANTAM
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4. Any amendment to this document is not allowed
5. Any discrepancy on this report shall be reported to the ANTAM Secretariat within 15 days after the date of receiving.
6. The test report under normal circumstances is valid for the samples tested

Address:

Post code:

Tel:

Fax:

email:

ANTAM TEST REPORT

N°



Name of the equipment

Manufacturer :

Applicant :

Address :

Post code :

Tel :

Fax :

Contact person :

Email :

Product	Mister cum duster	Model	
		Trade mark	
Authorized Test center	ANTAM	Type of test	
Responsible unit			
Manufacturer			
Location		Date of reception	
Number of samples	(5)		
		Sampled by	
ANTAM test code	(code number)	Serial numbers of machines	(1) (2) (3) (4) (5)
		Manufacture date	
		Number of test conducted	
		Test conditions	Normal
		Date of main component test	
Test center address			
summary	Pass or fail ?		
	Date		
Remarks			

Approved by :
Designation :

Verified by :

Conducted by :

ANNEX B

B-1 DETAILED TECHNICAL SPECIFICATION OF POWERED KNAPSACK MISTERS-CUM-DUSTERS

1.0	GENERAL	PLEASE INDICATE
1.1	Name & address of manufacturer (If more than one give details of manufactures. Separate sheets may be used)	
1.2	Name and address of the applicant for test	
1.3	Make/Type/Model	
1.4	Serial number	
1.5	Year of manufacture	
2.0	ENGINE	
2.1	Make/Type/Model/Country	
2.2	Serial number	
2.3	<p>Engine (manufacturer's recommended settings)</p> <p><i>No test necessary if a certified test report is provided by the manufacturer (according to either one of the following standard: IS 7374-1974, JB/T 5135.1 or ISO 8178.4-2007)</i></p> <p><i>If no engine test certification provided the equipment might be rejected</i></p> <ul style="list-style-type: none"> - Rated power, kW - Maximum torque, Nm - Rated speed at no load, rpm - Speed at max. torque, rpm - Specific fuels consumption, g/ kWhr - Specific oil consumption, g/ kWhr (where relevant) 	

2.4	Type of fuel used (octane number)	
2.5	Capacity of fuel tank (litre)	
2.6	Presence of strainer at engine tank inlet, yes/no	
2.7	Type of fuel filter	
2.8	Starting system: - Type - Aids for cold starting, if any - Any other device provided for easy starting	
2.9	Noise level at maximum speed, dB(A)	
3.0	FRAME	
	Material of Construction	
	Size (Width x height x length)	
4.0	TANK	
	Shape (Trapezoidal/Cylindrical/ Any other)	
	Size (In case of Trapezoidal : Width x height x depth, In case of cylindrical: Diameter x length), mm	
	Capacity, litre	
	Material of construction	
	Size of Liquid filling hole, mm	
	Strainer or filter Mesh (< 2 mm)	
	Marking on the tank, if any	
5.0	BACK REST	
	Size (Width x height x thickness)	
	Material	

6.0	STRAP	
	Material of strap	
	Material of strap buckle	
	Width and thickness of strap	
	Minimum and maximum strap length can be used	
7.0	MISTING DUCT	
	Type of misting duct	
	Misting duct internal diameter	
	Misting duct discharge at recommended pressure, ml/min	
	Misting range (m)	
8.0	BLOWER	
	Fan type : Fully enclosed / partially enclosed	
	Fan blade type : Forward bent / radial / backward bent	
9.0	DUSTING:	
	Dusting width, m	
	Dusting discharge rate (horizontal), kg/min	
10.0	TOTAL MASS (without liquid/dust), kg	
11.0	DETAILS OF AGITATING DEVICE provided (if any)	
12.0	LIST OF STANDARD ACCESSORIES/PARTS provided with equipment (provide as annex)	
13.0	PUBLICATIONS	
	Operator`s manual	
	• Service Manual	
	• Parts catalogue	
	• Safety Precautions	

2 Test conditions

No	Items	units	Test result
1	Test location	/	
2	Date	/	
3	Temperature	°C	
4	Test material	/	

Test Results

Classification		Tested component	unit	Performance specifications	Test results		Failed item
Type	item				Sample 1	Sample 2	
A	1	Leakage test on the whole machine	/	Every component shall be tightly sealed without leakage.			
	2	Chemical tank leakage test	/	Maintained pressure of 10kPa during 1 min without leakage			
	3	Blower fan overspeed test	/	Blower Fan tested at 1.3 rated speed. Repeated 3 times each for 5 min. Blower fan blade shall not damage, loose parts or deform.	Tested speed: rpm	Tested speed: rpm	
	4	Normal temperature starting	s	Started within 30s			
	5	Strap drop test	/	There shall be no damage on load bearing straps and their fixation points that reduces their functionality as a consequence of the specified strap drop test			

Test Results

Classification		Tested component	unit	Performance specifications	Test results		Failed item
Type	item				Sample 1	Sample 2	
B	1	Net weight	kg				
	2	Horizontal misting range	m				
	3	Horizontal misting discharge rate	kg/min				
	4	Ear level sound	dB(A)				
	5						

Test Results

Classification		Tested component	unit	Performance specifications	Test results		Failed item
Type	item				Sample 1	Sample 2	
C	1	Horizontal dusting rate	kg/min	≥ 2.0	2.0	2.5	
	2	Misting rate CV	/	$\leq 6\%$	4%	3%	
	3	Idling speed discharge	g/min	≤ 40	0	0	
	4	Vibration test	m/s^2	≤ 15	13	12	
	5	Tank residues	kg	≤ 0.1	0	0	
	6	Safety labels	/	Firmly fitted / informative			

Classification		Tested component	unit	Performance specifications	Test results		Failed item
Type	Item				Sample 1	Sample 2	
C	7	Quality of assembly and appearance	/	<ol style="list-style-type: none"> 1- All joints must be firm reliable, rotational parts should be flexible; easily controlled, rated power shall be obtained for the maximum position of the throttle. At the lowest position, the engine shall stop 2. All parts shall not be deformed, slanted, the paint coat quality should meet with quality standard two and above 			
	8	Ease of operation	/	<ol style="list-style-type: none"> 1. Control devices should be easy and reliable 2. Easy conversion from mister to duster 3. Easy maintenance 4. Easy cleaning 			

Summary Of Test Results

Classification	Allowable failed items	Tested failed items	Summary result
A			
B			
C			

Reported by :

Verified by:

