

INTERNATIONAL CENTRE FOR AUTOMOTIVE TECHNOLOGY

[A Division of NATRIP Implementation Society (NATIS), Govt. of India]

Non-Transferable

TEST REPORT

C D O G L O 2 3 1

Date: 07.10.2016






- 1.0 NAME AND ADDRESS OF THE CUSTOMER : M/s. ATLANTA SYSTEMS Pvt. Ltd.
M-135, 2nd Floor, Connaught Place,
Outer Circle, New Delhi
- 2.0 CUSTOMER REFERENCE : CCDASPLLJEEG46689 dated 16-August-2016
- 3.0 DESCRIPTION OF DEVICE UNDER TEST (DUT) :
DUT Name: Vehicle Tracking Unit (VTU)/Vehicle Tracking Device (VTD)
Model: WP30L



- 4.0 TEST OBJECTIVE :
To carry out the Dust and Water ingress protection test as per (Table Sr. No. 7.0) on the DUT mentioned in Sr. No. 3.0 Above as declared by the customer.
- 5.0 TEST OBSERVATION:
Test observations/results & photographs are mentioned in Annexure – I this test report.
- 6.0 CONCLUSION:
DUT as mentioned in Sr. No. 3.0 above, *meets* all the Test requirements as mentioned in Sr. No. 7.0.

Disclaimer

This test report pertains only to the test samples / components / parts/ assemblies/ gensets/ materials /fuels/chemicals/engines/vehicles/Agri. Tractors etc. actually tested /witnessed / verified by iCAT in the presented condition based on the documents / information produced / submitted by the customer. The issuance of this test report alone does not indicate any measure of approval, certification, supervision, COP, control of quality surveillance by iCAT of the test samples / items/ components. No extract, abridgment or abstraction from this test report may be published or used to advertise the product without the written consent of the Director, iCAT, who reserves the absolute right to agree or reject all or any of the details of any items of publicity for which consent may be sought. iCAT is in no way responsible for any misuse or copying of any design in connection with entire vehicle / components / systems and assemblies. Breach of any statutory provisions, of Indian laws or laws of other countries, will be sole responsibility of the customer. iCAT shall not be liable for any claims or damages made by the customer, whatsoever. The customer shall alone be liable for the same and undertakes to indemnify iCAT in this regard. Further, iCAT has the right to initiate cancellation / withdrawal of the certificate / report issued, in case of any fraud, misrepresentation, when it comes to the knowledge of iCAT. The appropriate local court at Gurgaon shall have the jurisdiction in respect of any dispute, claim or liability arising out of this report.

Prepared By	Checked By		Approved By	
 SONIA NAIN Sr. Engineer	 DEVESH PAREEK Dy. Manager		 PAMELA TIKKU Sr. General Manager	

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7.0 TEST DETAILS:

Sr. No.	Test Title	ICAT Sample I.D	Reference Standard	Observations/ Results
1.	Dust & Water ingress protection test	ICAT/AEEL/46689/02(Dust) & 04 (Water)	IEC 60529	Annexure-I SATISFACTORY

8.0 LIST OF EQUIPMENT WITH CALIBRATION DETAILS:-

Sr. No.	EQUIPMENT DETAILS	EQUIPMENT ID	CALIBRATION STATUS DUE ON
1.	Dust Test Rig		
1a.	Dig. Vacuum Gauge	ICAT/AEEL/DTC/DVG/01	02.09.2017
1b.	Digital Timer	ICAT/AEEL/DTC/DTM/01	02.09.2017
1c.	Digital Timer	ICAT/AEEL/DTC/DTM/02	02.09.2017
1d.	Counter Meter	ICAT/AEEL/DTC/CM/01	02.09.2017



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Date: 07.10.2016

Annexure – I

1.0 Dust and Water Ingress Protection Test (IP67):

1.1 Test Method & Specifications:

Dust and water ingress protection as per IP 67 of IEC 60529:

Test conditions for Dust:

Test Dust: Talcum Powder

Depression value on Manometer: Not more than 2kpa

Test Duration: 2 Hrs

Acceptance Criteria: No dust ingress inside the sample after the test.

Test conditions for water:

Immersion bowl Immersion depth: 1m (from deepest point of enclosure)

Test Duration: 30 Min

Acceptance Criteria: No water ingress should be permitted after the test which can affect the sample functionality.

1.2 Test Observation and Results:

a) For Dust:

No dust ingress was observed after the test.

Result:

Before Test:

\$VTU,ATL,EX.1.0.0,BD,L,868004027022139,DL02AB1111,0,1,310816,111254,28.358786,N,76.927986,E,00.00,182,7,274,0.0,000000.0,!dea,0,0,0,C,4.0,14,404,4,412,7832,7831,55363,58891,57701,0000,00,0.000,52*

After Test:

\$VTU,ATL,EX.1.0.0,BD,L,868004027022139,DL02AB1111,0,1,310816,113258,28.358339,N,76.928032,E,00.00,176,7,207,1.1,000000.0,!dea,0,0,0,C,4.0,17,404,4,412,7832,55363,58891,58892,57701,0000,00,0.000,101*

Satisfactory.

b) For Water:

No water ingress was observed after the test.

Result:

Before Test:




\$VTU,ATL,EX.1.0.0,EA,L,868004027050551,VRN_NS,0,1,120916,072724,28.358822,N,76.928062,E,00.00,76,7,236,1.0,000000.6,!dea,0,1,1,C,4.0,20,404,11,120,47761,58603,47763,58602,61411,0000,00,0.000,3644*

After Test:

\$VTU,ATL,EX.1.0.0,EA,L,868004027050551,VRN_NS,0,1,120916,101448,28.358583,N,76.927956,E,00.00,313,7,233,1.0,000001.6,!dea,0,1,0,C,4.0,22,404,11,120,59282,58603,59281,28542,58602,0000,00,0.000,3988*

Satisfactory.

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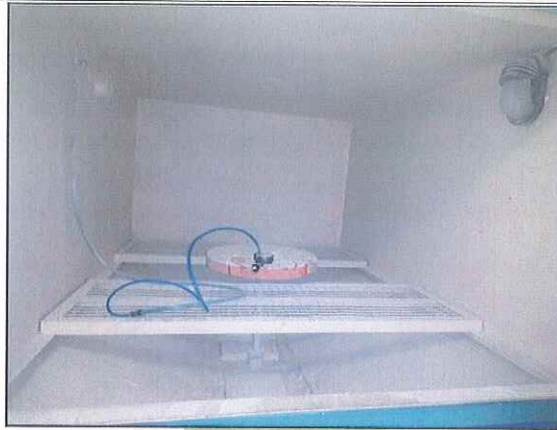
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1.3 Test Setup Photographs:



During Dust Test



During Water Test

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