

# INTERNATIONAL CENTRE FOR AUTOMOTIVE TECHNOLOGY

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





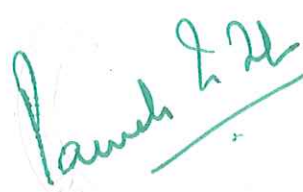
Non-Transferable

## TEST REPORT

C T 1 B M 5 1 4 8

Date: 23.05.2017

- 1.0 NAME AND ADDRESS OF THE CUSTOMER : M/s. Autotronics Impex Pvt. Ltd.,  
918, Sector-16/17, Hisar - 125005
- 2.0 CUSTOMER LETTER REF. : CCTNAAAAMFCEL51386 dated 15-May-2017
- 3.0 DESCRIPTION OF COMPONENT :  
CNG High pressure tube assembly consisting of nut and ferrule  
(Connector) submitted by M/s. Autotronics Impex Pvt. Ltd.,
- Manufacturing Plant Address : Same as Sr. No. 1  
Quantity : 3 Nos.  
Working Pressure (Max). : 200 bar  
Size of the component : Tube I.D. X O.D. = 4 mm X 6 mm  
Drawing No. : Drawing No. 1 Revision 01  
Material of the tube : Sample Conforms to Grade IS-513:2008,  
CR-4(EDD)
- 4.0 TEST OBJECTIVE:  
To evaluate performance of CNG High pressure tube assembly as per the requirements given in IS 15716 as amended up to date
- 5.0 TEST REQUIREMENTS, OBSERVATIONS AND RESULTS:  
Please refer marking & test requirements/results in Annexure-I of the report.
- 6.0 CONCLUSION:  
CNG High Pressure tube assembly submitted by M/s. Autotronics Impex Pvt. Ltd., specified in Sr. no. 3.0 of this test report, meets the requirements of all the tests as per IS 15716 as amended up to date.




Prepared By	Checked By	 INTERNATIONAL CENTRE FOR AUTOMOTIVE TECHNOLOGY MANESAR	Approved By	 BM5148  Page 1 of 3 + (Drwg 01) [51386]
 UDIT KAUL Asst. Manager	 MADHUSUDAN JOSHI Asst. General Manager		 PAMELA TIKKU Sr. General Manager	

**DISCLAIMER**

1. ICAT issues Test reports/ Extension reports/ Developmental Reports for vehicles/ parts/ components/ assemblies etc. based on the documents produced and/or prototype / vehicle(s) or sample(s) submitted by the applicant and testing thereof.
2. ICAT issues Test reports/ Extension reports/ Developmental Reports in compliance to Motor Vehicle Act/ Central Motor Vehicle Rules and their provisions as amended from time to time or any other statutory orders under which ICAT is authorized. Other Rules/Acts are outside the purview/scope of the Test reports/Extension reports/ Developmental test reports
3. Test(s) on prototype/ vehicle(s)/ sample(s) is/are carried out on the basis of standard procedures as notified under specific rules/ requested by the applicant. Results of such tests are property of bearer of Test Reports/ Extension Reports / Developmental test reports. These results cannot be disclosed unless specifically so ordered by Government, Court, etc
4. Unless otherwise supported by a separate Certificate, this Test report Extension Reports / Developmental test reports shall not be considered in isolation as valid Type approval for any vehicle
5. ICAT is not responsible for testing each vehicles/ parts/assemblies etc. for which Test Reports/ Extension reports/ Developmental test reports is issued. Further, ICAT is not responsible for ensuring manufacturing quality of the vehicles/ components/ parts/ assemblies etc. for which the Test Reports/ Extension reports/ Developmental test reports is /are issued.
6. ICAT is no way responsible for any misuse or copying any design/type/system in connection with entire vehicle/ components/parts and assemblies covered under the Test Reports/ Extension reports/ Developmental test reports is /are issued
7. 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
8. Further, ICAT has the right, but not under obligation to initiate cancellation / withdrawal of the Test report/Extension/ Developmental test report is/are issued, in case of any fraud, misrepresentation, when it surfaces and comes in the knowledge of ICAT
9. 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

Innovation • Service • Excellence

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	
			Page 2 of 3 + (Drwg 01) <b>[51386]</b>
<b>UDIT KAUL</b> Asst. Manager		<b>MADHUSUDAN JOSHI</b> Asst. General Manager	




C T 1 B M 5 1 4 8

Date: 23.05.2017

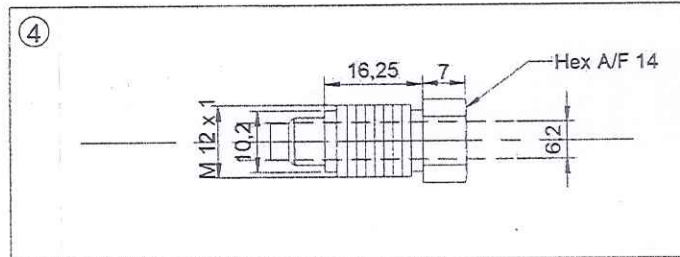
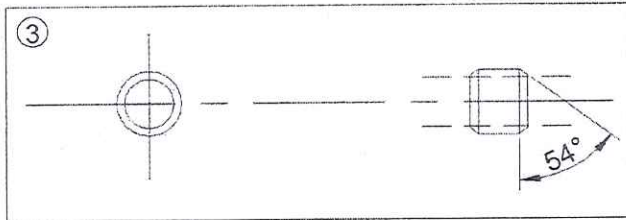
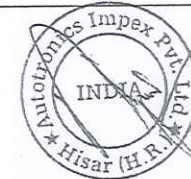
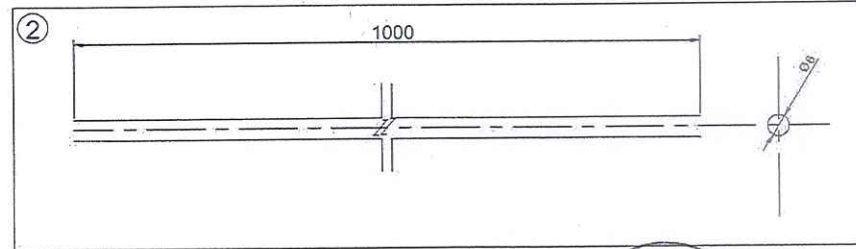
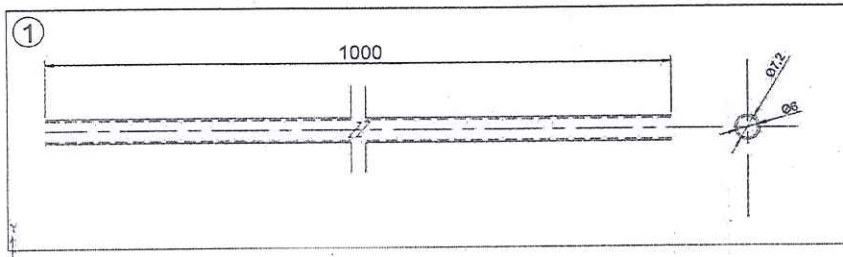
**Annexure I**

Sr No	Test	Test Requirements	Observations / Results
1	Marking	Manufacturer Name, trade-mark or symbol	AUTOTRONICS
		Manufacturer Part No	ST-01
		Working Pressure	200 bar
		Batch No.	051701
2	Material Test [IS 15716 Clause No. 4.1]	Rigid piping and its end connections for use with pressures exceeding 2.15 MPa shall be steel piping for use with CNG.	This test was referred from the Report no. 170503045-1 dated 04.05.2017 and meets the requirements of test. <b>Satisfactory</b>
3	Burst Pressure Test [IS 15716 Clause No. 4.2]	Rigid tube and connections for use with pressures exceeding 2.15 MPa shall be steel piping for use with CNG, shall have minimum burst test pressure of 70 MPa	This test was referred from the test report no. CT0CF1037 dated 28.06.2010 and meets the requirements of test. <b>Satisfactory</b>
4	Salt Mist Test [IS 15716 Clause No. 4.3]	Expose the test component to salt spray with following conditions: Duration : 24 h Temp. : 33°C ± 3°C Solution : 5% NaCl in 95% Distilled water by weight The component shall be effectively protected against corrosion for 24 hours	This test was referred from the test report no. CT0CF1037 dated 28.06.2010 and meets the requirements of test. <b>Satisfactory</b>

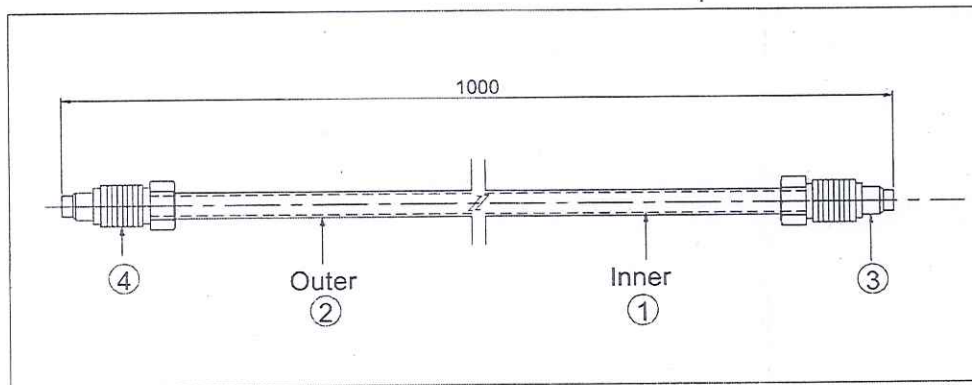
Innovation • Service • Excellence

Prepared By		Checked By	<p>Page 3 of 3 + (Drwg 01) [51386]</p>
			
<p><b>UDIT KAUL</b> Asst. Manager</p>		<p><b>MADHUSUDAN JOSHI</b> Asst. General Manager</p>	

Test Report No. - CTIBM dated 23.5.17



MODEL NO.	ST-01
BATCH NO.	XXXXXX
TRADE MARK	AUTOTRONICS
W.P.	200 BAR



ALL DIMENSIONS ARE IN mm

Description of Material				
No.	QTY.	Description	Material	Grade
1.		PIPE	STEEL	DIN-2391
2.		SLEEVE	PVC	IS-5831
3.		FERRUL	M.S.	EN-1A
4.		FERRUL NUT	M.S.	EN-1A

	NAME	DATE	AUTOTRONICS IMPEX PVT. LTD.	
			918, Sec. 16-17, Hisar- 125005 (INDIA)	
DRN BY	N.S.	11.05.2017	TITLE HIGH PRESSURE TUBE	 Not to scale
CKD BY	D. Agrawal	11.05.2017		
APPD BY	D. Agrawal	12.05.2017		
QUANTITY	3 SETS	DRAWING NO. 1	Page No. 1 of 1	Revision 01



Page 1 of 1