

**ECE TYPE-APPROVAL CERTIFICATE**



Concerning:<sup>2</sup> ~~Approval granted~~  
~~Approval extended~~  
~~Approval refused~~  
~~Approval withdrawn~~  
~~Production definitively discontinued~~

of a type of CNG/LNG component pursuant to Regulation No. 110

Approval No: **E24 110R-000024**

Extension No: **06**


Reason for extension:

***-Addition of new manual valve.***

1. CNG component considered:  
~~Container(s) or cylinder(s)~~  
~~Pressure indicator~~  
~~Pressure relief valve~~  
~~Automatic valve~~  
~~Excess flow valve~~  
~~Gas tight housing:~~  
~~Pressure regulator(s)~~  
~~Non return valve(s)~~  
~~Pressure relief device~~  
~~Manual valve:~~  
~~Flexible fuel lines~~  
~~Filling unit or receptacle~~  
~~Gas injector(s)~~  
~~Gas flow adjuster~~  
~~Gas/air mixer~~  
~~Electronic control unit:~~  
~~Pressure and temperature sensor~~  
~~CNG filter(s)~~

**Type: VM01**  
**Variants: -See technical report(s) and information document(s) for details.**

2. Trade name or mark: ***Tomasetto Achille,  
Tecnofabrica,  
Landi Renzo.***
3. Manufacturer's name and address: ***Tomasetto Achille S.p.A.  
Via del Progresso, 47/53,  
36020 Castegnero (VI),  
Italy.***
4. If applicable, name and address of manufacturer's representative: ***N/A.***
5. Submitted for approval on: ***As before and 27.06.2016***

6. Technical service responsible for conducting approval tests: *TÜV SÜD Auto Service GmbH,  
Westendstraße 199,  
D-80686 München,  
germany.*
7. Date of report issued by that service: *As before and 22.06.2016*
8. No. of report issued by that service: Former: *0085\ME\OML\09  
0075\ME\OML\10  
0169\ISP\OML\11  
0001\ISP\OML\12  
0104\ISP\OML\12\_3*  
New: *13-00044-AS-MUC-up to 06*
9. Approval ~~granted/ refused/ extended/ withdrawn~~: *Extended.*
10. Reason(s) of extension (if Applicable): *See top of page 1 of certificate  
for details*
11. Place: *Dublin.*
12. Date: *15<sup>th</sup> August, 2016.*
13. Signature: 
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14. The documents filed with the application or extension of approval can be obtained upon request.

**Annex 2B – Addendum**

1. Additional information concerning the type approval of a type of CNG components pursuant to Regulation No. 110
  - 1.1 Container(s) or cylinder(s)
    - 1.1.1 Dimensions: *N/A*
    - 1.1.2 Material: *N/A*
  - 1.2 Pressure indicator
    - 1.2.1 Working pressure(s): *N/A*
    - 1.2.2 Material: *N/A*
  - 1.3 Pressure relief valve (discharge valve)
    - 1.3.1 Working pressure(s): **26MPa**
    - 1.3.2 Material: **Inconel 600 / Brass**
  - 1.4 Automatic valve(s)
    - 1.4.1 Working pressure(s): *N/A*
    - 1.4.2 Material: *N/A*
  - 1.5 Excess flow valve
    - 1.5.1 Working pressure(s): **26MPa**
    - 1.5.2 Material: **Brass**
  - 1.6 Gas tight housing
    - 1.6.1 Working pressure(s): *N/A*
    - 1.6.2 Material: *N/A*
  - 1.7 Pressure regulator(s)
    - 1.7.1 Working pressure(s): *N/A*
    - 1.7.2 Material: *N/A*
  - 1.8 Non-return valve(s) or non-return valve(s)
    - 1.8.1 Working pressure(s): *N/A*
    - 1.8.2 Material: *N/A*
  - 1.9 Pressure relief device (temperature triggered)
    - 1.9.1 Working pressure(s): **26MPa**
    - 1.9.2 Material: **See manufacturer's information document.**

**Annex 2B – Addendum**

1.10	Manual valve	
1.10.1	Working pressure(s):	<b>26MPa</b>
1.10.2	Material:	<b>Brass</b>
1.11	Flexible fuel lines	
1.11.1	Working pressure(s):	<i>N/A</i>
1.11.2	Material:	<i>N/A</i>
1.12	Filling unit or receptacle	
1.12.1	Working pressure(s):	<i>N/A</i>
1.12.2	Material:	<i>N/A</i>
1.13	Gas injector(s):	
1.13.1	Working pressure(s):	<i>N/A</i>
1.13.2	Material:	<i>N/A</i>
1.14	Gas flow adjuster	
1.14.1	Working pressure(s):	<i>N/A</i>
1.14.2	Material:	<i>N/A</i>
1.15	Gas/air mixer	
1.15.1	Working pressure(s):	<i>N/A</i>
1.15.2	Material:	<i>N/A</i>
1.16.	Electronic control unit (CNG-fuelling)	
1.16.1	Basic software principles:	<i>N/A</i>
1.17	Pressure and temperature sensor(s):	
1.17.1	Working pressure(s):	<i>N/A</i>
1.17.2	Material:	<i>N/A</i>
1.18	CNG filter(s)	
1.18.1	Working pressure(s):	<i>N/A</i>
1.18.2	Material:	<i>N/A</i>