



ECE TYPE-APPROVAL CERTIFICATE



Communication concerning:² Approval granted
~~Approval extended~~
~~Approval refused~~
~~Approval withdrawn~~
~~Production definitely discontinued~~
of a type of CNG/LNG component pursuant to Regulation No. 110.

Approval No: E24 110R-000028

Extension No: 07

Reason for extension:

- Addition of the NGV2 filling adapter


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)~~
 - ~~PRD (pressure triggered)²~~
 - ~~Fuel rail²~~
 - ~~Heat exchanger(s) / vaporizer(s)²~~
 - ~~Natural gas detector(s)²~~
 - ~~LNG filling receptacle(s)²~~
 - ~~LNG pressure control regulator(s)²~~
 - ~~LNG pressure and/or temperature sensor(s)²~~
 - ~~LNG manual valve(s)²~~
 - ~~LNG automatic valve(s)²~~
 - ~~LNG non return valve(s)²~~
 - ~~LNG pressure relief valve(s)²~~
 - ~~LNG excess flow valve(s)²~~
 - ~~LNG fuel pump(s)²~~

Type: VM04
Variants: -See technical report(s) and information document(s) for details.



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2. Trade name or mark: **Tomasetto Achille,
Autogas Italia,
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 10.04.2017**
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 22.03.2017**
8. No. of report issued by that service: **Former: 0018\ME\OML\10
0075\ME\OML\10_2
0089\ISP\OML\10
0034\ISP\OML\11
0104\ISP\OML\12_4
New: 14-00073-CP-PRG-up to 07**
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 Approval ~~granted/ refused/ extended/ withdrawn~~: **Extended.**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: **13th April, 2017.**
13. Signature: 
14. The documents filed with the application or extension of approval can be obtained upon request.





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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): *N/A*
 - 1.3.2 Material: *N/A*
 - 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): *N/A*
 - 1.5.2 Material: *N/A*
 - 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): *N/A*
 - 1.9.2 Material: *N/A*



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1.10	Manual valve	
1.10.1	Working pressure(s):	26MPa
1.10.2	Material:	Brass
1.11	Flexible fuel lines	
1.11.1	Working pressure(s):	N/A
1.11.2	Material:	N/A
1.12	Filling unit or receptacle	
1.12.1	Working pressure(s):	26MPa
1.12.2	Material:	Brass/Rubber/Stainless Steel/Plastic
1.13	Gas injector(s):	
1.13.1	Working pressure(s):	N/A
1.13.2	Material:	N/A
1.14	Gas flow adjuster	
1.14.1	Working pressure(s):	N/A
1.14.2	Material:	N/A
1.15	Gas/air mixer	
1.15.1	Working pressure(s):	N/A
1.15.2	Material:	N/A
1.16.	Electronic control unit (CNG-fuelling)	
1.16.1	Basic software principles:	N/A
1.17	Pressure and temperature sensor(s):	
1.17.1	Working pressure(s):	N/A
1.17.2	Material:	N/A
1.18	CNG filter(s)	
1.18.1	Working pressure(s):	N/A
1.18.2	Material:	N/A
1.19.	PRD (pressure triggered)	
1.19.1.	Working pressure(s): ¹	N/A
1.19.2.	Material:	N/A
1.20.	Fuel rail(s)	
1.20.1.	Working pressure(s): ¹	N/A
1.20.2.	Material:	N/A
1.21.	Heat Exchanger(s) / Vaporizer(s)	
1.21.1.	Working pressure(s): ¹	N/A
1.21.2.	Material:	N/A



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1.22.	Natural gas detector(s):	
1.22.1.	Working pressure(s): ¹	<i>N/A</i>
1.22.2.	Material:	<i>N/A</i>
1.23.	LNG filling receptacle(s)	
1.23.1.	Working pressure(s): ¹	<i>N/A</i>
1.23.2.	Material:	<i>N/A</i>
1.24.	LNG pressure control regulator(s)	
1.24.1.	Working pressure(s): ¹	<i>N/A</i>
1.24.2.	Material:	<i>N/A</i>
1.25.	LNG pressure and/or temperature sensor(s)	
1.25.1.	Working pressure(s): ¹	<i>N/A</i>
1.25.2.	Material:	<i>N/A</i>
1.26.	LNG manual valve(s)	
1.26.1.	Working pressure(s): ¹	<i>N/A</i>
1.26.2.	Material:	<i>N/A</i>
1.27.	LNG automatic valve(s)	
1.27.1.	Working pressure(s): ¹	<i>N/A</i>
1.27.2.	Material:	<i>N/A</i>
1.28.	LNG non-return valve(s)	
1.28.1.	Working pressure(s): ¹	<i>N/A</i>
1.28.2.	Material:	<i>N/A</i>
1.29.	LNG pressure relief valve(s)	
1.29.1.	Working pressure(s): ¹	<i>N/A</i>
1.29.2.	Material:	<i>N/A</i>
1.30.	LNG excess flow valve(s)	
1.30.1.	Working pressure(s): ¹	<i>N/A</i>
1.30.2.	Material:	<i>N/A</i>
1.31.	LNG fuel pump(s)	
1.31.1.	Working pressure(s): ¹	<i>N/A</i>
1.31.2.	Material:	<i>N/A</i>