



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING THE APPROVAL GRANTED ⁽¹⁾ OF A TYPE OF CNG/LNG COMPONENT, PURSUANT TO REGULATION NO 110.01

E11 Approval No: 110R-010687

Extension No: Not applicable

1. CNG component considered:

Container(s) or cylinder(s) ⁽¹⁾

2. Trade name or mark:



3. Manufacturer's name and address:

HENGYANG JINHUA HIGH PRESSURE CONTAINER CO., LTD.
No.15 Changfeng Road,
High-tech Industrial Development Zone,
Hengyang City, Hunan Province,
People's Republic of China

4. If applicable, name and address of manufacturer's representative: Not applicable

5. Submitted for approval on: 22 March 2016

6. Technical service responsible for conducting approval tests: Vehicle Certification Agency

7. Date of report issued by that service: 8 May 2016

8. No. of report issued by that service: MSR353770

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9. Approval GRANTED ⁽¹⁾

10. Reason(s) of extension (if applicable): Not applicable

11. Place: BRISTOL

12. Date: 11 MAY 2016

13. Signature:  D LAWLOR
Head of Technical Standards & Legislation

14. The documents filed with the application or extension of approval can be obtained upon request.

Any remarks: Approval to Supplement 3

(1) Delete where inapplicable



ANNEX 2B – ADDENDUM

1. Additional information concerning the type approval of a type of CNG/LNG components pursuant to Regulation No: 110:

1.1. Natural Gas Storage System

1.1.1. Container(s) or cylinder(s) (for CNG system)

1.1.1.1. Dimensions:

Variant	Diameter (mm)	Length (mm)	Min. wall thickness(mm)
CNG1-232-30-20B	232	934	5.4
CNG1-232-50-20B	232	1459	5.4
CNG1-356-65-20B	356	878	7.7
CNG1-356-75-20B	356	996	7.7
CNG1-356-80-20B	356	1051	7.7
CNG1-406-80-20B	406	853	8.8
CNG1-406-90-20B	406	938	8.8
CNG1-406-95-20B	406	981	8.8
CNG1-406-100-20B	406	1023	8.8

1.1.1.2. Material: 34CrMo4

1.1.2. Tank(s) or vessel(s) (for LNG system)

1.1.2.1. Capacity: Not applicable

1.1.2.2. Material: Not applicable

1.2. Pressure indicator Not applicable

1.2.1 Working pressure(s):⁽¹⁾ MPa

1.2.2. Material:

1.3. Pressure relief valve (discharge valve) Not applicable

1.3.1 Working pressure(s):⁽¹⁾ MPa

1.3.2. Material:

- 1.4. Automatic valve(s) Not applicable
- 1.4.1. Working pressure(s):⁽¹⁾ MPa
- 1.4.2. Material:
- 1.5. Excess flow valve Not applicable
- 1.5.1. Working pressure(s):⁽¹⁾ MPa
- 1.5.2. Material:
- 1.6. Gas-tight housing Not applicable
- 1.6.1. Working pressure(s):⁽¹⁾ MPa
- 1.6.2. Material:
- 1.7. Pressure regulator(s) Not applicable
- 1.7.1. Working pressure(s):⁽¹⁾ MPa
- 1.7.2. Material:
- 1.8. Non-return valve(s) or check valve(s) Not applicable
- 1.8.1. Working pressure(s):⁽¹⁾ MPa
- 1.8.2. Material:
- 1.9. Pressure relief device (temperature triggered) Not applicable
- 1.9.1. Working pressure(s):⁽¹⁾ MPa
- 1.9.2. Material:
- 1.10. Manual valve Not applicable
- 1.10.1. Working pressure(s):⁽¹⁾ MPa
- 1.10.2. Material:

- 1.11. Flexible fuel lines Not applicable
- 1.11.1. Working pressure(s):⁽¹⁾ MPa
- 1.11.2. Material:
- 1.12. Filling unit or receptacle Not applicable
- 1.12.1. Working pressure(s):⁽¹⁾ MPa
- 1.12.2. Material:
- 1.13. Gas injector(s) Not applicable
- 1.13.1. Working pressure(s):⁽¹⁾ MPa
- 1.13.2. Material:
- 1.14. Gas flow adjuster Not applicable
- 1.14.1. Working pressure(s):⁽¹⁾ MPa
- 1.14.2. Material: Not applicable
- 1.15. Gas/air mixer Not applicable
- 1.15.1. Working pressure(s):⁽¹⁾ MPa
- 1.15.2. Material:
- 1.16. Electronic control unit Not applicable
- 1.16.1. Basic software principles:
- 1.17. Pressure and temperature sensor(s) Not applicable
- 1.17.1. Working pressure(s):⁽¹⁾ MPa
- 1.17.2. Material:
- 1.18. CNG filter(s) Not applicable
- 1.18.1. Working pressure(s):⁽¹⁾ MPa
- 1.18.2. Material: Not applicable

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- 1.19. PRD (pressure triggered) Not applicable
- 1.19.1. Working Pressure(s)⁽¹⁾: MPa
- 1.19.2. Material:
- 1.20. Fuel rail(s) Not applicable
- 1.20.1. Working pressure(s)⁽¹⁾: MPa
- 1.20.2. Material:
- 1.21. Heat Exchanger(s) / Vaporizer(s) Not applicable
- 1.21.1. Working pressure(s)⁽¹⁾: MPa
- 1.21.2. Material:
- 1.22. Natural gas detector(s): Not applicable
- 1.22.1. Working pressure(s)⁽¹⁾: MPa
- 1.22.2. Material:
- 1.23. LNG filling receptacle(s) Not applicable
- 1.23.1. Working pressure(s)⁽¹⁾: MPa
- 1.23.2. Material:
- 1.24. LNG pressure control regulator(s) Not applicable
- 1.24.1. Working pressure(s)⁽¹⁾: MPa
- 1.24.2. Material:
- 1.25. LNG pressure and/or temperature sensor(s) Not applicable
- 1.25.1. Working pressure(s)⁽¹⁾: MPa
- 1.25.2. Material:

- 1.26. LNG manual valve(s) Not applicable
- 1.26.1. Working pressure(s)⁽¹⁾: MPa
- 1.26.2. Material:
- 1.27. LNG automatic valve(s) Not applicable
- 1.27.1. Working pressure(s)⁽¹⁾: MPa
- 1.27.2. Material:
- 1.28. LNG non-return valve(s) Not applicable
- 1.28.1. Working pressure(s)⁽¹⁾: MPa
- 1.28.2. Material:
- 1.29. LNG pressure relief valve(s) Not applicable
- 1.29.1. Working pressure(s)⁽¹⁾: MPa
- 1.29.2. Material:
- 1.30. LNG excess flow valve(s) Not applicable
- 1.30.1. Working pressure(s)⁽¹⁾: MPa
- 1.30.2. Material:
- 1.31. LNG fuel pump(s) Not applicable
- 1.31.1. Working pressure(s)⁽¹⁾: MPa
- 1.31.2. Material:

⁽¹⁾ Specify the tolerance.