



Transportation of Dangerous Goods  
Directorate  
Tower C, Place de Ville  
9<sup>th</sup> Floor  
330 Sparks Street  
Ottawa, Ontario  
K1A 0N8

Direction générale du Transport  
des marchandises dangereuses  
Tour C, Place de Ville  
9<sup>e</sup> étage  
330, rue Sparks  
Ottawa (Ontario)  
K1A 0N8



## Equivalency Certificate (Approval issued by the competent authority of Canada)

**Certificate No.:** SU 12435 (Ren. 1)

**Certificate Holder:** Canadian Propane Association

**Mode of Transport:** Road, Marine

**Issue Date:** March 1, 2018

**Expiry Date:** March 31, 2020

### CONDITIONS

This Equivalency Certificate authorizes the members of the Canadian Propane Association and any person on behalf of its members to handle, offer for transport and transport, by road vehicle or by road vehicle onboard a ship on a domestic voyage, dangerous goods that are:

- UN1075, LIQUEFIED PETROLEUM GASES, Class 2.1; or
- UN1978, PROPANE, Class 2.1;

in a TC 331 or MC 331 highway tank in a manner that does not comply with the following requirements:

- subsection 5.1.1(2) of the *Transportation of Dangerous Goods (TDG) Regulations*;
- subparagraph 5.10(1)(a)(iv) of the *TDG Regulations*;
- subparagraph 5.10(1)(d)(v) of the *TDG Regulations*; and
- Clause 7.1.1(a) of CSA Standard B620, "*Highway tanks and TC portable tanks for the transportation of dangerous goods*", published by the Canadian Standards Association (CSA), as amended from time to time, specifically the 5 year internal inspection and 5 year pressure test specified for a TC 331 highway tank in Table 7.1 of CSA Standard B620,

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if the following conditions are met:

- (a) the means of containment is a TC 331 or MC 331 highway tank selected in accordance with CSA Standard B622, "*Selection and use of highway tanks, TC portable tanks, and ton containers for the transportation of dangerous goods, Class 2*", published by the Canadian Standards Association (CSA), as amended from time to time;
- (b) the highway tank is subject to a 10 year internal inspection and 10 year pressure test, instead of the 5 year internal inspection and 5 year pressure test requirements specified in Table 7.1 of CSA Standard B620, "*Highway tanks and TC portable tanks for the transportation of dangerous goods*", published by the Canadian Standards Association (CSA), as amended from time to time;
- (c) the highway tank is only used to transport UN1075, LIQUEFIED PETROLEUM GASES, Class 2.1 or UN1978, PROPANE, Class 2.1;
- (d) the highway tank has a water capacity less than or equal to 13 250 L (3500 US gallons);
- (e) the highway tank is constructed of one of the following materials:
  - (i) non-quenched and tempered (NQT) SA-612 steel; or,
  - (ii) non-quenched tempered (NQT) SA-202 or SA-455 steel, and has full-size equivalent (FSE) Charpe-vee notch (CVN) energy test data that demonstrate 75 % shear-area ductility at zero (0) degree Celsius (32 degrees Fahrenheit) with an average of 3 or more samples > 20 joules FSE (15 ft-lb FSE), with no sample < 14 joules FSE (10 ft-lb FSE);
- (f) a paper or electronic copy of this Equivalency Certificate accompanies the highway tank at all times and must be provided to an inspector or law enforcement officer immediately upon request;
- (g) no later than May 31, 2018, the highway tank is durably and legibly marked with "**SU 12435**" in characters that are not less than 32 mm (1-1/4 in) high. The marking shall be placed next to the test or inspection marking required by Clause 7.4 of CSA B620, "*Highway tanks and TC portable tanks for the transportation of dangerous goods*", published by the Canadian Standards Association (CSA), as amended from time to time;
- (h) the Canadian Propane Association ensures that a paper or electronic copy of this Equivalency Certificate is provided to all members; and

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- (i) in addition to the requirements of Part 6 (Training) of the *Transportation of Dangerous Goods Regulations*, the members of the Canadian Propane Association ensure that the personnel handling, offering for transport or transporting the dangerous goods are trained in regards to the conditions of this Equivalency Certificate.

**Note 1:** The conditions of this Equivalency Certificate must be complied with. Subsection 31(4) of the *Transportation of Dangerous Goods (TDG) Act, 1992* stipulates that non-compliance with any of the terms or conditions invalidates the Equivalency Certificate. If any of the conditions are not complied with, the *TDG Act, 1992 and TDG Regulations* would apply as though this equivalency certificate did not exist.

**Note 2:** The issuance of this Equivalency Certificate in no way reduces the certificate holder's responsibility to comply with any other requirements of the *Transportation of Dangerous Goods Regulations* that are not specifically addressed in this certificate.

Signature of Issuing Authority (*Signed on February 23, 2018*)



David Lamarche, P. Eng., ing.  
Chief, Approvals and Special Regulatory Projects

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*(The following Explanatory Note is for information purposes only and is not part of this certificate.)*

**Explanatory Note**

This Equivalency Certificate authorizes the members of the Canadian Propane Association and any person on behalf of its members to transport UN1978 propane or UN1075 liquefied petroleum gas in a TC 331 or MC 331 highway tank for which the inspection and test intervals were increased from a five-year requalification period to a ten-year period. These requirements were accepted by the CSA B620 Technical Committee in June 2017 and should be adopted in the next CSA B620 Standard that should be published in 2019 or 2020.

The current list of the members of the Canadian Propane Association is available at the following website:

<http://www.propane.ca/en/membership-events/cpa-members>

**Legend for Certificate Number**

SH - Road, SR - Rail, SA - Air, SM - Marine  
SU - More than one Mode of Transport  
Ren. - Renewal