CAN/ULC 601:2026

Standard for Shop Fabricated Steel Aboveground Tanks for Flammable and Combustible Liquids

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Standard for Shop Fabricated Steel Aboveground Tanks for Flammable and Combustible Liquids, CAN/ULC 601

Seventh Edition, Dated August 21, 2026

Summary of Topics

This Seventh Edition of CAN/ULC 601 dated August 21, 2026 includes the following changes in requirements:

- ***Consideration for Tank Geometries Other Than Cylindrical or Rectangular: 1.10, 3.21, 4.4.5, 5.1.6, Table 5.2, Table 12.1, subsection 5.9, and Section 18***
- ***Rectangular Tank Thickness: 5.5.1.2***
- ***Updating the term "Class 3B" to "Class IIIB": 1.6, 3.18, 3.20, and 16.1(c)***
- ***Revision to 1.1 to Improve Clarity***
- ***Correcting Cross References throughout the document***
- ***Correcting Class II to Class IIIB in 5.7.3***
- ***Revising 5.7.2 to align clause with 5.8.2***
- ***Adjusting 5.8.3 to reference Section 16 for special markings***
- ***Adding wording from 7.2.1 to 6.2.5.1 for improved clarity.***
- ***Updating reference to ULC-S663 to UL/ULC 2583***
- ***Relocating Specific Gravity Tanks and Static Head Tanks within ULC 601: Section 8 and Section 9***
- ***Revisions to 5.6.1.3 Venting***
- ***Alternative Joint Requirements: 4.3.1 (Note) and 4.3.4***
- ***Relocating 5.4.1, Tailing lugs and anchors, to 4.8, Lifting***
- ***Revising 10.6.1***
- ***Adding Alternative to Section 12, Production Leak Test: 12.4***
- ***Revise Marking Text for Tanks Where Factory-Installed E-Vent is not Present: 15.4(c)(2)***
- ***Revise 6.2.3.1 Regarding Secondary Containment Head Thickness: 6.2.3.1***
- ***Revisions to 4.6 (Venting) and addition of Annex F***
- ***Revisions to 7.2 Interstitial Space Inspection and Emergency Vents***

The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated November 24, 2025, April 13, 2026 and May 29, 2026.

PLEASE NOTE THAT CERTAIN CODES MAY REFER TO A SUPERSEDED VERSION OF THIS STANDARD. IN THOSE INSTANCES, THE RELEVANT VERSIONS ARE AVAILABLE FOR PURCHASE.

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Standard for Shop Fabricated Steel Aboveground Tanks for Flammable and Combustible Liquids

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NAME	AFFILIATION	CATEGORY	REGION
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Jeffrey Burton	AGI Envirotank Ltd	Producer	Canada
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PREFACE

This is the Seventh Edition of CAN/ULC 601, Standard for Shop Fabricated Steel Aboveground Tanks for Flammable and Combustible Liquids.

This Edition of the Standard has been formally approved by the ULC Standards Task Group on Stationary Steel Storage Containers for Flammable and Combustible Liquids.

This Standard has been developed in compliance with the requirements of Standards Council of Canada (SCC) for accreditation of a Standards Development Organization.

Only metric SI units of measurement are used in this Standard. If a value for measurement is followed by a value in other units in parentheses, the second value may be approximate. The first stated value is the requirement.

Annexes A to F, identified as informative, are for informational purposes only.

In Canada, there are two official languages, English and French. All safety warnings must be in French and English. Attention is drawn to the possibility that some Canadian authorities may require additional markings and/or installation instructions to be in both official languages.

This Seventh Edition National Standard of Canada is based on, and now supersedes, the Sixth Edition.

Attention is drawn to the possibility that some of the elements of this Canadian standard may be the subject of patent rights. ULC Standards shall not be held responsible for identifying any or all such patent rights.

This CAN/ULC 601 Standard is under continuous maintenance, whereby each revision is approved in compliance with the requirements of SCC for accreditation of a Standards Development Organization. In the event that no revisions are issued for a period of four years from the date of publication, action to revise, reaffirm, or withdraw the standard shall be initiated.

Comments or proposals for revisions on any part of the Standard may be submitted at any time. Proposals should be submitted via a Proposal Request in the Collaborative Standards Development System (CSDS) at https://csds.ul.com.

This Standard is intended to be used for conformity assessment.

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INTRODUCTION

1 Scope

1.1 This Standard sets forth minimum requirements for steel, non-pressure tanks that are used for the aboveground storage of flammable and combustible liquids compatible with the material of construction and with a specific gravity not greater than 1.0.

1.2 This Standard also sets forth minimum requirements for steel, non-pressure tanks that are used for the aboveground storage of flammable and combustible liquids compatible with the material of construction and with a specific gravity greater than 1.0, which are covered in Section 8, and static head tanks, which are covered in Section 9.

1.3 This Standard also sets forth traditional safety requirements for aboveground steel tanks that primarily evaluate structural integrity and mitigate environmental hazards from loss of liquid containment under expected normal conditions. Optional construction and/or performance requirements, and associated ratings intended to address more severe conditions associated with the effects of Climate Change are included in Annex D.

NOTE: These tanks may also be used for the storage of used oil. For tanks intended solely for the collection of used oil, refer to ULC 652, Standard for Tank Assemblies for the Collection, Storage and Removal of Used Oil.

1.4 This Standard covers tanks, which are fabricated, inspected and tested for leakage before shipment from the factory.

1.5 This Standard covers the construction of tanks for use in stationary installations. Tanks fabricated in accordance with this Standard are not intended for the transportation of flammable and combustible liquids nor are they intended to be transported while containing such liquids.

NOTE: Relocation of tanks other than utility tanks is subject to the requirements of the authority having jurisdiction.

1.4 The installation of such tanks shall be in accordance with, but not limited to, the following documents:

a) National Fire Code of Canada, Part 4;

b) CSA B139, Installation code for oil-burning equipment;

c) CCME Environmental Code of Practice for Aboveground and Underground Storage Tank Systems Containing Petroleum and Allied Petroleum Products; and

d) Regulations of the appropriate authority having jurisdiction.

1.5 Section 5 of this Standard covers the construction of single wall tanks. Section 6 covers the construction of tanks with secondary containment.

1.6 This Standard also covers aboveground steel, rectangular, non-pressure workbench tanks for the combined use as a working surface and storage of Class IIIB oils having capacities up to and including 2500 L.

1.7 This Standard also covers aboveground steel, rectangular, non-pressure, combustible liquid-fired equipment base tanks.

1.8 This Standard also covers utility tanks and double bottom utility tanks designed to allow for relocation as required by their intended service. These tanks are for installation at locations such as farms, construction sites, demolition sites, exploration sites, forestry operations and similar locations.

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