CAN/ULC 676:2025

Standard for Refurbishing of Storage Tanks for Flammable and Combustible Liquids

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CETTE NORME NATIONALE DU CANADA EST DISPONIBLE EN VERSIONS FRANÇAISE ET ANGLAISE

Standard for Refurbishing of Storage Tanks for Flammable and Combustible Liquids, CAN/ULC 676

Second Edition, Dated September 14, 2020

Summary of Topics

This revision of CAN/ULC 676 dated September 24, 2025 includes the following changes in requirements:

– Updates to Align with UL Style Manual; Section 2, 10.1, 12.1

Text that has been changed in any manner or impacted by ULSE's electronic publishing system is marked with a vertical line in the margin.

The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated June 6, 2025.

PLEASE NOTE THAT CERTAIN CODES MAY REFER TO A SUPERSEDED VERSION OF THIS STANDARD.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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CAN/ULC 676:2025

Standard for Refurbishing of Storage Tanks for Flammable and Combustible Liquids

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PREFACE

This is the Second Edition of CAN/ULC 676, Standard for Refurbishing of Storage Tanks for Flammable and Combustible Liquids.

This Edition of the Standard has been formally approved by the ULSE Technical Committee on Stationary Steel, and Nonmetallic, Storage Containers for Flammable and Combustible Liquids.

This Standard has been developed in compliance with the requirements of 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 and B, identified as Informative, are for information purposes only.

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

This Second Edition National Standard of Canada is based on, and now supersedes, the First Edition.

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

Requests for interpretation of this Standard should be sent to ULC Standards. The requests should be worded in such a manner as to permit a “yes” or “no” answer based on the literal text of the requirement concerned.

This CAN/ULC 676 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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1 Scope

1.1 This Standard covers the refurbishing of shop fabricated tanks built to nationally recognized Standards listed in Tank Eligibility, Sections 12 and 18.

NOTE: In the context of this Standard, refurbishing refers to repairs to, and a limited set of modifications of, tanks using materials at least equivalent to those used in the original manufacture and does not include retrofit. Refer to Standard ULC-S669, Standard for Internal Retrofit Systems for Underground Tanks for Flammable and Combustible Liquids, for requirements applicable to retrofit activities.

1.2 This Standard provides minimum requirements for the inspection, evaluation and refurbishing of steel underground and aboveground storage tanks and fibre reinforced plastic underground storage tanks for flammable liquids and combustible liquids. This Standard addresses the refurbishing of tanks in a refurbishing company's facility in Part II, the refurbishing of tanks at their installed location in Part III, and also provides inspection criteria for the frequent relocation of aboveground tanks in Part IV.

NOTE: Refer to Annex A for examples of flowcharts applicable to refurbishing.

1.3 The installation and use of refurbished tanks may be covered by the requirements of the Authority Having Jurisdiction and may include by reference, but are not limited to:

a) National Fire Code of Canada, Part 4;

b) CSA B139, Installation Code for Oil Burning Equipment; and

c) CCME PN 1326, Environmental Code of Practice for Aboveground and Underground Storage Tank Systems Containing Petroleum and Allied Petroleum Products.

1.4 The transport of tanks to a refurbishing facility is not within the Scope of this Standard.

NOTE: Authorities Having Jurisdiction may have requirements for the cleaning and preparation of tanks for removal from service, prior to transport to the refurbishing facility.

1.5 This Standard is intended for use by organizations and/or individuals who are knowledgeable and experienced in underground tank or aboveground tank fabrication, repair, modification and inspection.

NOTE: Refer to Personnel Qualifications, Sections 11 or 17, as applicable.

1.6 These requirements apply to all repair activities of storage tanks and integral appurtenances designed to contain flammable liquids or combustible liquids, under atmospheric pressure.

2 Referenced Publications

2.1 Any undated reference to a code or standard appearing in the requirements of this standard shall be interpreted as referring to the latest edition of that code or standard.

2.2 The following publications are referenced in this Standard:

API STD 653, *Tank Inspection, Repair, Alteration, and Reconstruction*

CCME PN 1326, Environmental Code of Practice for Aboveground and Underground Storage Tank Systems Containing Petroleum and Allied Petroleum Products

CSA B139, *Installation code for oil burning equipment*

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NFPA 326, *Standard for Safeguarding of Tanks and Containers for Entry, Cleaning, or Repair*

National Fire Code of Canada

STI/SPFA 700-50-1005 – SP001, *Standard for The Inspection of Aboveground Storage Tanks*

ULC 601, *Shop Fabricated Steel Aboveground Tanks for Flammable and Combustible Liquids*

ULC-S602, *Aboveground Steel Tanks for Fuel Oil and Lubricating Oil*

ULC-S603, *Steel Underground Tanks for Flammable and Combustible Liquids*

ULC-S603.1, *External Corrosion Protection Systems for Steel Underground Tanks for Flammable and Combustible Liquids*

ULC-S615, *Reinforced Plastic Underground Tanks for Flammable and Combustible Liquids*

ULC-S630, *Shop Fabricated Steel Aboveground Vertical Tanks for Flammable and Combustible Liquids*

ULC-S643, *Shop Fabricated Steel Aboveground Utility Tanks for Flammable and Combustible Liquids*

ULC 652, *Tank Assemblies for Collection and Removal of Used Oil*

ULC 653, *Aboveground Steel Contained Tank Assemblies for Flammable and Combustible Liquids*

ULC 655, *Aboveground Protected Tank Assemblies for Flammable and Combustible Liquids*

ULC-S669, *Internal Retrofit Systems for Underground Tanks for Flammable and Combustible Liquids*

ULC-S670, Standard for Aboveground Nonmetallic Tanks for Fuel Oil and Other Combustible Liquids

ULC 677, *Fire Tested Aboveground Tank Assemblies for Flammable and Combustible Liquids*

ULC/ORD-C80.1, Nonmetallic Tanks for Oil-Burner Fuels and Other Combustible Liquids

ULC/ORD-C142.18, Rectangular Steel Aboveground Tanks For Flammable and Combustible Liquids

ULC/ORD-C142.22, *Vertical Steel Aboveground Tank Assemblies For Flammable and Combustible Liquids*

ULC/ORD-C142.5, *Concrete Encased Steel Aboveground Tank Assemblies for Flammable and Combustible Liquids*

UL/ULC 1316, *Fibre Reinforced Underground Tanks for Flammable and Combustible Liquids*

UL/ULC 2258, Aboveground Nonmetallic Tanks for Fuel Oil and Other Combustible Liquids

3 GLOSSARY

3.1 ABOVEGROUND TANK – A storage tank with all of the storage tank volume above grade.

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