CAN/ULC-S602:14 (R2023)

ABOVEGROUND STEEL TANKS FOR FUEL OIL AND LUBRICATING OIL

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Standard for Aboveground Steel Tanks for Fuel Oil and Lubricating Oil, CAN/ULC-S602

Sixth Edition, Dated October 1, 2014

Summary of Topics

This revision of CAN/ULC-S602 dated November 17, 2023 is being issued to update the title page to reflect the reaffirmation of this Sixth Edition National Standard of Canada. No changes in requirements are involved.

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 requirements are substantially in accordance with Proposal(s) on this subject dated August 15, 2023.

PLEASE NOTE THAT CERTAIN CODES MAY REFER TO A SUPERSEDED VERSION OF THIS STANDARD.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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ABOVEGROUND STEEL TANKS FOR FUEL OIL AND LUBRICATING OIL

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PREFACE

This is the Sixth Edition of the Standard for Aboveground Steel Tanks for Fuel Oil and Lubricating Oil, CAN/ULC-S602.

This Edition of the Standard has been formally approved by the ULC Standards Committee 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.

Appendices A, B, C and D, identified as Informative, are for guidance and information 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 Sixth Edition National Standard of Canada is based on, and now supersedes the Fifth 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.

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-S602 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 design and construction of aboveground steel *non-pressure tanks* intended for installation inside or outside buildings and for the storage of:

A *Combustible liquid* intended to be used as heating *fuel* and/or generator *fuel*; and

B *Lubricating oil*.

In addition to this Standard's traditional safety requirements that primarily evaluate structural integrity and mitigate fire and 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 Appendix D.

NOTE 1: These tanks may also be used for the storage of used oil as a heating and/or generator fuel. For tanks intended for the collection of used oil, refer to CAN/ULC-S652, Standard for Tank Assemblies for the Collection, Storage and Removal of Used Oil.

NOTE 2: For generator-base tanks and workbench tanks, refer to CAN/ULC-S601, Standard for Shop-Fabricated Steel Aboveground Tanks for Flammable and Combustible Liquids.

1.2 This Standard covers single wall tanks, tanks with *secondary containment* (of double wall and *open* or *closed secondary containment*) and *double bottom tanks*.

1.3 This Standard covers tanks having a maximum capacity of 2500 L.

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

1.5 This Standard covers the design and construction of tanks for use in stationary installations. These tanks are not designed for the transportation of *fuel*.

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

A National Fire Code of Canada, Part 4;

B CAN/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*.

1.7 Except for optional Climate Change Adaptation requirements in Appendix D, these requirements do not cover special evaluations for resistance to, or use after, earthquakes, floods, high wind events, or other natural disasters.

NOTE: See the Note at the beginning of Appendix D for further information on the terms "Adaptation" and "Mitigation", as they pertain to Climate Change.

2 REFERENCE PUBLICATION

The documents shown below are referenced in the text of this Standard. Unless otherwise stated elsewhere in this Standard, such reference shall be considered to indicate the edition and/or revisions of the document available at the date on which the Technical Committee approved this ULC Standard. All undated references shall be interpreted as referring to the latest edition of that document.

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