



UL 142A

STANDARD FOR SAFETY

Special Purpose Aboveground Tanks
for Specific Flammable or Combustible
Liquids

UL Standard for Safety for Special Purpose Aboveground Tanks for Specific Flammable or Combustible Liquids, UL 142A

Second Edition, Dated December 12, 2025

SUMMARY OF TOPICS

This new Second Edition to ANSI/UL 142A dated December 12, 2025 includes the following changes in requirements:

- ***Allowance for Reduced Vent Sizing for Tanks Smaller than 60 Gallons:*** [6.5.2](#), [6.6.2](#)
- ***Clarification of Venting Requirements:*** [5.3.3](#), [10.1](#)
- ***Editorial Corrections:*** [3](#), [6.1.4](#), [6.4.4](#), [7.2.5.1](#)
- Day Tank Scope:*** [1.1\(e\)](#), [1.10](#), [6.5.2\(b\)](#)

This new edition incorporates editorial changes, including renumbering and reformatting to align with current style.

The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated September 13, 2024, February 21, 2025, and May 16, 2025.

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UL 142A

Standard for Special Purpose Aboveground Tanks for Specific Flammable or Combustible Liquids

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Second Edition

December 12, 2025

This ANSI/UL Standard for Safety consists of the Second Edition.

The most recent designation of ANSI/UL 142A as an American National Standard (ANSI) occurred on December 12, 2025. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, and Title Page.

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

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INTRODUCTION

1 Scope

1.1 These requirements cover special purpose steel aboveground tanks for specific fuels or liquids and/or use applications as indicated for each special purpose tank type, which are intended to address the specific designs, features, limitations, use factors and other unique characteristics of each type. These requirements are not covered by UL 142, Standard for Steel Aboveground Tanks for Flammable and Combustible Liquids, for general purpose steel aboveground tanks for flammable and combustible liquids, as each special purpose tank deviates from them by construction, performance and/or markings for the intended use. The basic types of different special purpose tanks covered by this Standard are:

a) Generator base tanks are designed for combined combustible fuel storage and structural support for diesel or turbine engine power generators, and are intended to be installed in accordance with the Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines, NFPA 37, or Standard for Emergency and Standby Power Systems, NFPA 110. Generator base tanks are limited to Combustible Class II or III fuels, such as diesel, kerosene, turbine oils or heavy oils. Covered options may include fire resistance, damage resistance and/or tank support evaluations.

b) Work top tanks are designed for combined combustible liquid storage and structural working surface, and are intended to be installed in accordance with NFPA 30, Code for Flammable and Combustible Liquids, NFPA 30A, Code for Motor Fuel Dispensing Facilities and Repair Garages, or NFPA 31, Standard for Installation of Oil-Burning Equipment. Work top tanks are limited to Combustible Class III liquids, such as heavy fuel oils, new/used lube oils, hydraulic/transmission oils, or similar working fluids. Covered options may include racks, shelves and/or tank support evaluations.

c) Lube oil tanks are designed for storage of unused lubricating oils and similar combustible liquids, and are intended to be installed in accordance with NFPA 30, Code for Flammable and Combustible Liquids, NFPA 30A, Code for Motor Fuel Dispensing Facilities and Repair Garages, or NFPA 31, Installation of Oil-Burning Equipment. Lube oil tanks are limited to Combustible Class IIIB oils, such as motor crankcase oils, hydraulic/transmission oils, machine/cutting oils, or similar fluids. Covered options may include dispensing equipment and/or tank support evaluations.

d) Used oil tanks are designed for storage of used lubricating oils and similar combustible liquids, and are intended to be installed in accordance with NFPA 30, Code for Flammable and Combustible Liquids, NFPA 30A, Code for Motor Fuel Dispensing Facilities and Repair Garages, or NFPA 31, Installation of Oil-Burning Equipment. Used oil tanks are limited to Combustible Class IIIB oils, such as motor crankcase oils, hydraulic/transmission oils, machine/cutting oils, or similar fluids. Covered options may include recycling equipment and/or tank support evaluations.

e) Day tanks are designed for the storage of a fuel supply for engine-driven equipment, such as pumps or generators, and fuel-burning appliances such as furnaces or heaters, or other portable equipment typically used in farm, construction, mining, forestry, or similar applications, and are intended to be installed in accordance with NFPA 30, Code for Flammable and Combustible Liquids, NFPA 30A, Code for Motor Fuel Dispensing Facilities and Repair Garages, NFPA 31, Standard for the Installation of Oil-Burning Equipment, NFPA 37, Standard for Installation and Use of Stationary Combustion Engines and Gas Turbines, or NFPA 110, Standard for Emergency and Standby Power Systems. Day Tanks are limited to specific fuels as marked, such as Flammable Class I gasoline or Combustible Class II kerosene, diesel fuel, or heating oil. Covered options may include dispensing equipment and/or tank support evaluations.

1. Day Tanks may be used to provide a temporary and/or backup fuel supply for engine-driven equipment, fuel-burning appliances, or other portable equipment typically used in farm, construction, mining, forestry, or similar applications.