

STANDARD INFORMATION

Standard: UL 142A

Standard ID: Special Purpose Aboveground Tank for Specific Flammable or Combustible Liquids [UL 142A:2025 Ed.2]

Previous Standard ID: Special Purpose Aboveground Tank for Specific Flammable or Combustible Liquids [UL 142A:2018 Ed.1+R:21Jan2021]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **December 12, 2027**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard. Reports not updated to this version by the effective date above will be withdrawn.

Overview of Changes:

- Day Tank Scope
- Requirements for Reduced Vent Sizing for Tanks Smaller than 60 Gallons

Specific details of new/revised requirements are found in table below

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.



STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined-out below.</i>
1	Info	Scope <p>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 <u>Combustible Liquids</u>, for <u>general purpose steel aboveground tanks for flammable and combustible liquids</u>, 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:</p> <p>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 <u>and/or tank support evaluations</u>.</p> <p><u>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.</u></p> <p><u>2. Day Tanks may be used as an intermediate storage tank between a main supply tank and engine-drive equipment or fuel-burning appliances.</u></p> <p><u>NOTE: Day tanks are not intended to include auxiliary tanks covered by UL 443, Standard for Steel Auxiliary Tanks for Oil-Burner Fuel, or transfer tanks covered by UL 75, Outline of Investigation for Portable Containers and Tanks for Flammable and/or Combustible Liquids.</u></p>



CLAUSE	VERDICT	COMMENT
		<i>New clause added;</i>
1.10		These requirements do not apply to auxiliary tanks covered by UL 443, Standard for Steel Auxiliary Tanks for Oil-Burner Fuel, or transfer tanks covered by UL 75, Outline of Investigation for Portable Containers and Tanks for Flammable and/or Combustible Liquids.
6	Info	Specific Construction of Special Purpose Tanks
6.5	Info	Day tanks
		Day tank parameters and limitations are as follows:
6.5.2		a) Stored Liquids – Only Fuels, such as Flammable Class I Gasoline or Combustible Class II Kerosene, Diesel Fuel or Heating Oil. b) Containment Types and Sizes – Primary or Secondary with or without compartments, with a total capacity range of 20 – 1,320 <u>200</u> gallons (75 – 5,000 <u>757</u> L). c) Shapes and Orientations – Horizontal or Vertical Cylindrical, Rectangular or Obrounds with a tank height to base (tank bottom or integral supports) ratio of $\leq 1.5:1$. <u>d) Reduced Emergency Venting – The minimum E-Vent nominal opening size may be reduced to 1-1/2 inches for tanks with a capacity less than 60 gallons.</u>
6.6	Info	Process tanks
		Process tank parameters and limitations are as follows:
6.6.2		a) Stored Liquids – Only the liquid Classes (Flammable Class I, Combustible Class II or specific fuel, etc.). b) Containment Types and Sizes – Primary or Secondary with or without compartments, with a total capacity range of 20 – 1,320 gallons (75 – 5,000 L). c) Shapes and Orientations – Horizontal or Vertical Cylindrical, Rectangular or Obrounds with a tank height to base (tank bottom or integral supports) ratio of $\leq 1.5:1$. <u>d) Reduced Emergency Venting – E-Vent opening nominal size may be smaller than required by UL 142, Section 8, Table 8.1 for capacities lower than 60 gallons as follows:</u> <u>1) For Tanks ranging from 20 gallons up to, but not including 25 gallons (75.7 – 94.6 L): $\frac{1}{2}$ inch</u> <u>2) For Tanks ranging from 25 gallons up to, but not including 60 gallons (94.6 – 227 L): $\frac{3}{4}$ inch</u>