Research Options and Participation

Steve Pollock

W-G3

February 28, 2024

What Standards should your office collect?

- UL 142 and 142A
- UL 2085
- PEI RP200
- Manufacturer's Standards (that are not proprietary)
- Installation Instructions
- The API suite of 653 and 570

Access to other UL Standards

- Free but requires patience shopulstandards.com

How to Access Standards Content

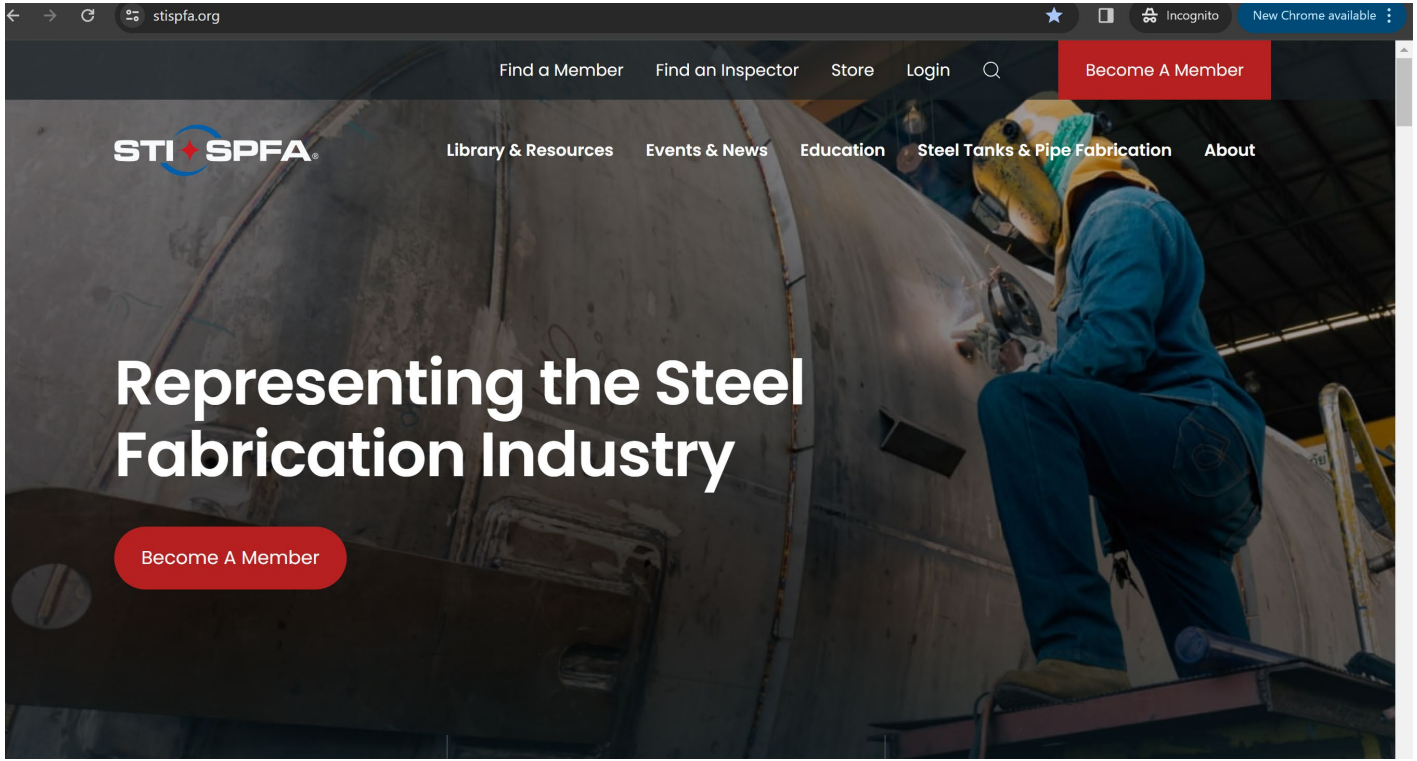
Standards can be viewed online for free via the Digital View feature on our UL Standards & Publications Site. Simply create a free account to get started. ISO and IEC adoptions are not available for digital view due to their copyright.

Members of our Technical Committees get access to the standards associated with their committees via the Committee Library in our Collaborative Standards Development System (CSDS).

Educational YouTube tutorials on accessing UL Standards documents that may be helpful for participants: Accessing UL Standards Documents: Free Digital View

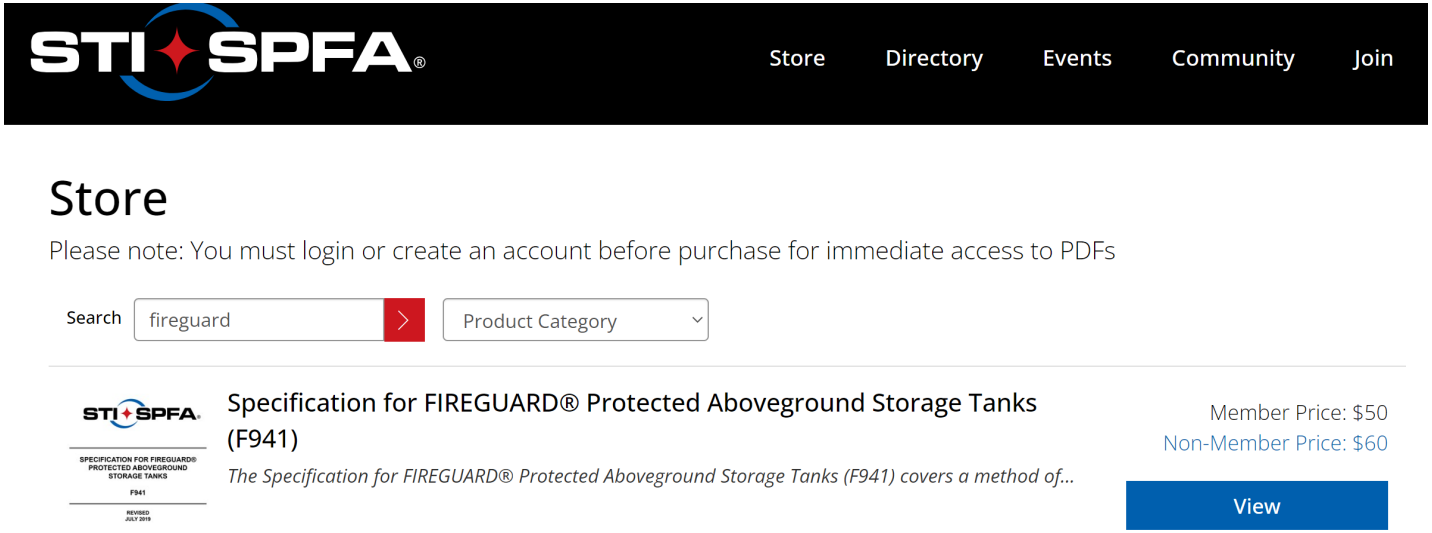
Accessing UL Standards Documents: CSDS Committee Library

STI/SPFA Standards



STI/SPFA Standards

- General Manufacturing Standards are available in the Store. Only Licensees have access to proprietary manufacturing details



STI/SPFA and UL MH Files

- Remember Performance Testing

UL 142 **PERFORMANCE TEST METHODS**
42 Tank Leakage Test
42.1 Caution
42.1.1 Caution – Testing with air pressure presents a risk of injury to persons and personnel should be
instructed in precautions to be taken during such testing. The precautions should include the use of a
pressure-relief device that will reduce the risk of the tank becoming pressurized in excess of the specified
test pressure.

STI/SPFA and UL MH Files

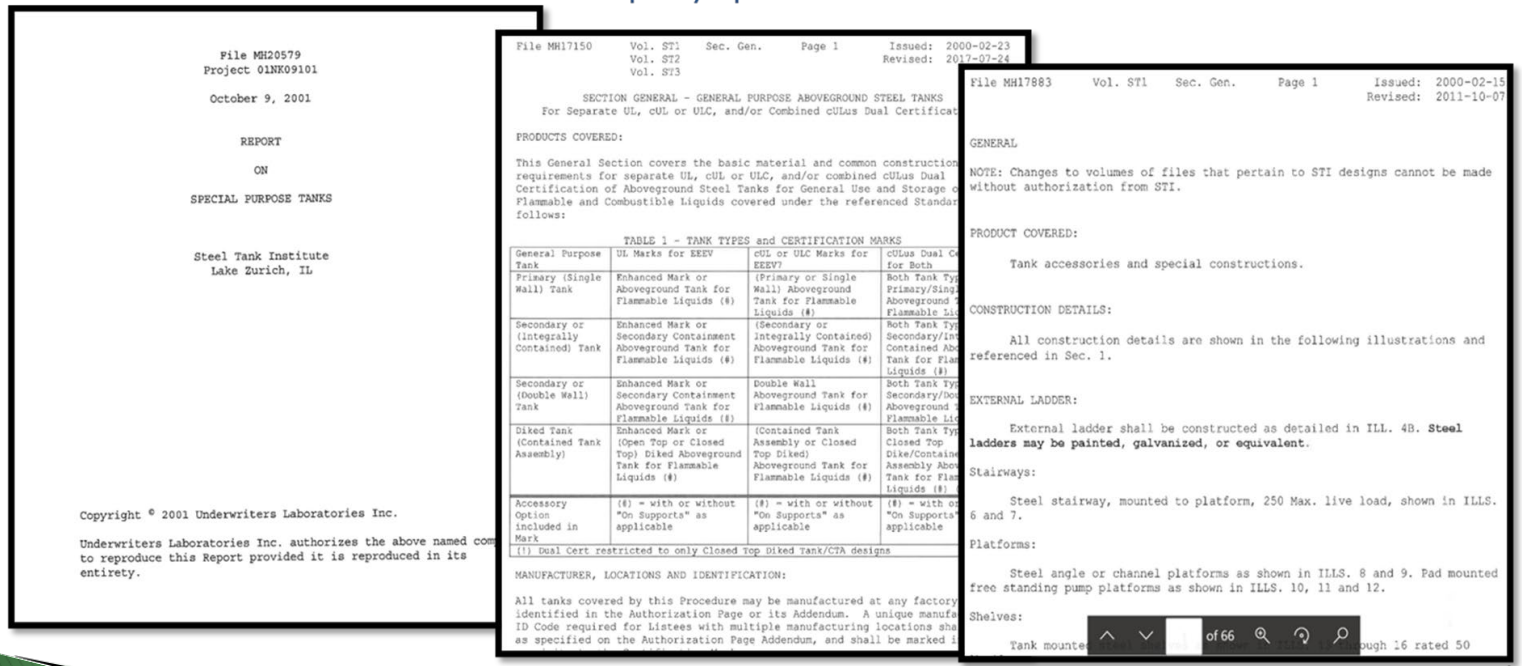
- Fabricators can test tank designs (and supports, lift lugs, etc) that allow for alterations to the "cookbook" tables.
- In some instances, fabricators can also use engineering analysis for UL to review and approve.
- For a marketing advantage, designs are often tested to worst case scenario to ensure a safe product as well as safe shop operations.
- Along with being listed to build to the cookbook, manufacturers are also bound to fabrication in accordance with their MH FILE.
- This file is confidential and cannot be shared.
- The file also contains unique inspection criteria - FUS

STI/SPFA and UL MH Files

STI/SPFA and UL MH Files

STI/SPFA and UL MH Files

How are project results used by fabricators?
Company specific UL Files



File MH20579
Project 01NK09101

October 9, 2001

REPORT

ON

SPECIAL PURPOSE TANKS

Steel Tank Institute
Lake Zurich, IL

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File MH17150 Vol. ST1 Vol. ST2 Vol. ST3 Sec. Gen. Page 1 Issued: 2000-02-23 Revised: 2017-07-24

SECTION GENERAL - GENERAL PURPOSE ABOVEGROUND STEEL TANKS
For Separate UL, cUL or ULC, and/or Combined cULus Dual Certificat

PRODUCTS COVERED:

This General Section covers the basic material and common construction requirements for separate UL, cUL or ULC, and/or combined cULus Dual Certification of Aboveground Steel Tanks for General Use and Storage o Flammable and Combustible Liquids covered under the referenced Standar follows:

TABLE 1 - TANK TYPES and CERTIFICATION MARKS

General Purpose Tank	UL Marks for EEEV	cUL or ULC Marks for EEEV?	cULus Dual Ce for Both
Primary (Single Wall) Tank	Enhanced Mark or Aboveground Tank for Flammable Liquids (#)	(Primary or Single Wall) Aboveground Tank for Flammable Liquids (#)	Both Tank Typ Primary/Singl Aboveground T Flammable Liq
Secondary or (Integrally Contained) Tank	Enhanced Mark or Secondary Containment Aboveground Tank for Flammable Liquids (#)	(Secondary or Integrally Contained) Aboveground Tank for Flammable Liquids (#)	Both Tank Typ Secondary/Int Contained Abo Tank for Flam Liquids (#)
Secondary or (Double Wall) Tank	Enhanced Mark or Secondary Containment Aboveground Tank for Flammable Liquids (#)	Double Wall Aboveground Tank for Flammable Liquids (#)	Both Tank Typ Secondary/Dou Aboveground T Flammable Liq
Diked Tank (Contained Tank Assembly)	Enhanced Mark or (Open Top or Closed Top) Diked Aboveground Tank for Flammable Liquids (#)	(Contained Tank Assembly or Closed Top Diked) Aboveground Tank for Flammable Liquids (#)	Both Tank Typ Closed Top Dike/Contain Assembly Abov Tank for Flam Liquids (#)
Accessory Option included in Mark	(#) = with or without "On Supports" as applicable	(#) = with or without "On Supports" as applicable	(#) = with or "On Supports" applicable

(1) Dual Cert restricted to only Closed Top Diked Tank/CTA designs

MANUFACTURER, LOCATIONS AND IDENTIFICATION:

All tanks covered by this Procedure may be manufactured at any factory identified in the Authorization Page or its Addendum. A unique manufa ID Code required for Listees with multiple manufacturing locations sha as specified on the Authorization Page Addendum, and shall be marked i

File MH17883 Vol. ST1 Sec. Gen. Page 1 Issued: 2000-02-15 Revised: 2011-10-07

GENERAL

NOTE: Changes to volumes of files that pertain to STI designs cannot be made without authorization from STI.

PRODUCT COVERED:

Tank accessories and special constructions.

CONSTRUCTION DETAILS:

All construction details are shown in the following illustrations and referenced in Sec. 1.

EXTERNAL LADDER:

External ladder shall be constructed as detailed in ILL. 4B. **Steel ladders may be painted, galvanized, or equivalent.**

Stairways:

Steel stairway, mounted to platform, 250 Max. live load, shown in ILLS. 6 and 7.

Platforms:

Steel angle or channel platforms as shown in ILLS. 8 and 9. Pad mounted free standing pump platforms as shown in ILLS. 10, 11 and 12.

Shelves:

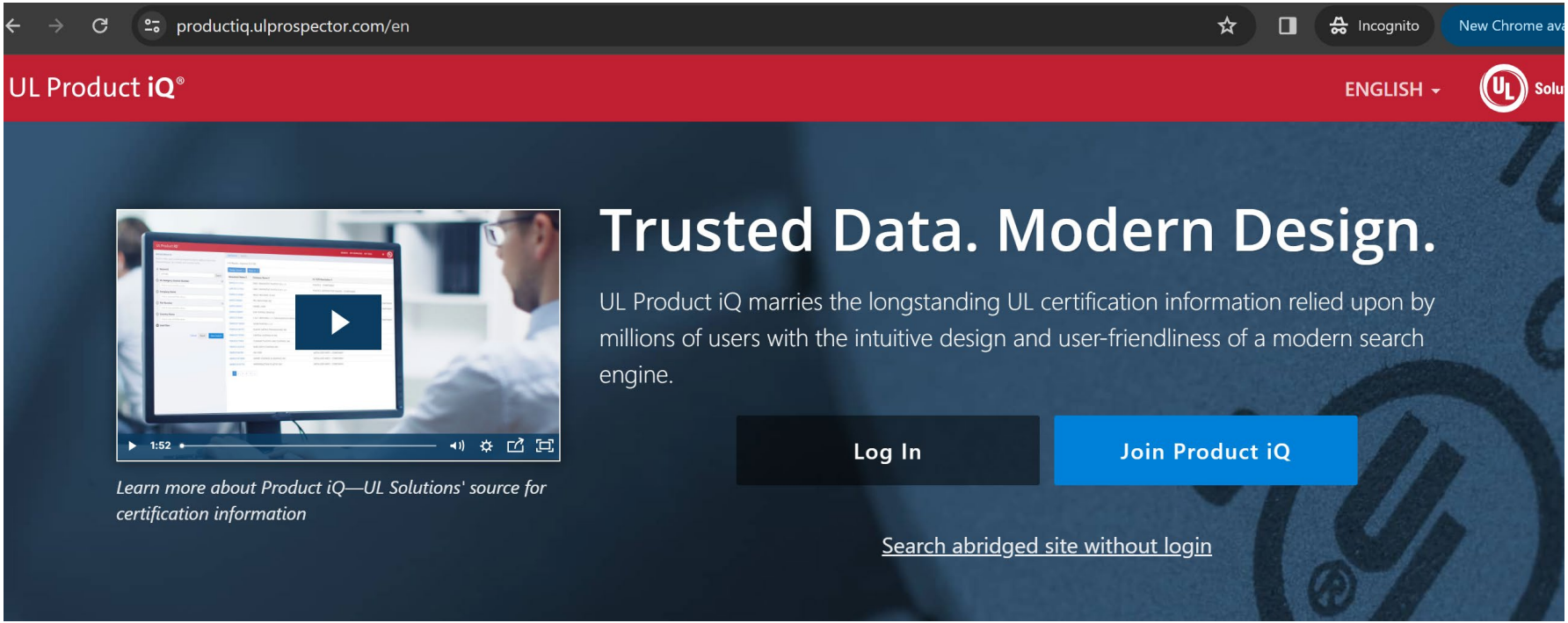
Tank mounte ough 16 rated 50

of 66

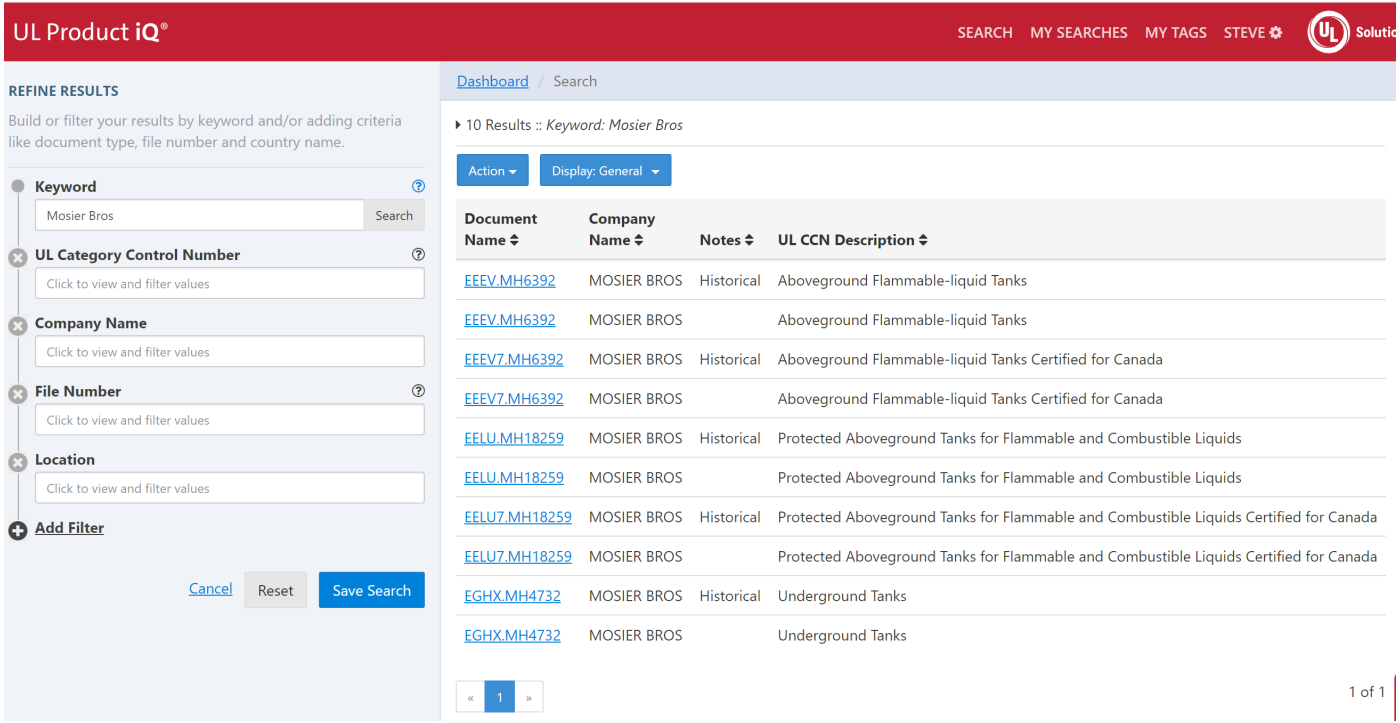
STI/SPFA and UL MH Files

Capacity	Diameter	UL Thickness	MH FAB X Company Tested (not actual numbers)
1000 gal	64 inch	0.123	0.111
8000 gal	76 inch	0.167	0.155
20000 gal	144 inch	0.240	0.222

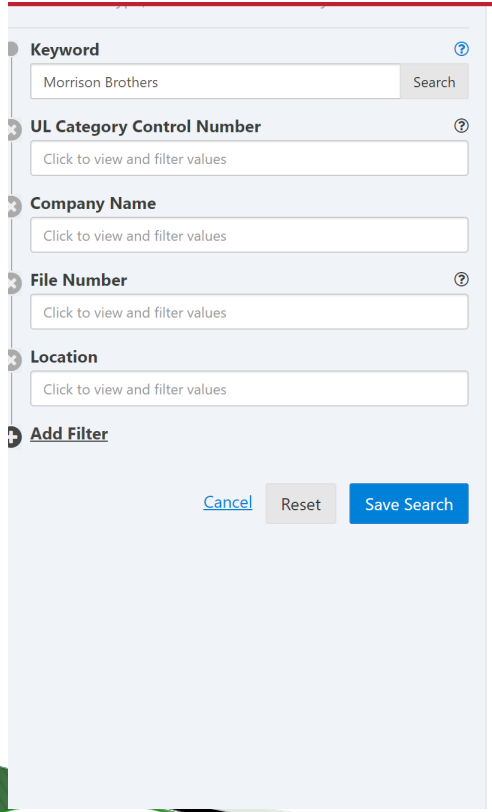
UL Research Options: Product IQ



UL Research Options: Product IQ



UL Research Options: Product IQ



Action ▾ Display: General ▾ « 1 2 »

Document Name	Company Name	Notes	UL CCN Description
EGVV.MH17696	MORRISON BROTHERS CO	Historical	Tank Accessories for Flammable and Combustible Liquids
EGVV.MH17696	MORRISON BROTHERS CO		Tank Accessories for Flammable and Combustible Liquids
EGVV7.MH17696	MORRISON BROTHERS CO	Historical	Tank Accessories for Flammable and Combustible Liquids Certified for Canada
EGVV7.MH17696	MORRISON BROTHERS CO		Tank Accessories for Flammable and Combustible Liquids Certified for Canada
EGVV7.MH21138	MORRISON BROTHERS CO	Historical	Tank Accessories for Flammable and Combustible Liquids Certified for Canada
EGVV7.MH21138	MORRISON BROTHERS CO		Tank Accessories for Flammable and Combustible Liquids Certified for Canada
EGVV7.MH21154	MORRISON BROTHERS CO	Historical	Tank Accessories for Flammable and Combustible Liquids Certified for Canada
EGVV7.MH21154	MORRISON BROTHERS CO		Tank Accessories for Flammable and Combustible Liquids Certified for Canada
EUCV.MH7334	MORRISON BROTHERS CO	Historical	Shutoff Valves, Emergency
EUCV.MH7334	MORRISON BROTHERS CO		Shutoff Valves, Emergency
EUQT.MH10308	MORRISON BROTHERS CO		Dispensing-device Accessories, Miscellaneous
EUQT7.MH10308	MORRISON BROTHERS CO		Dispensing-device Accessories, Miscellaneous Certified for Canada
EXHZ.E487552	MORRISON BROTHERS CO		ATEX Directive Certification Services
IILX.MP5161	MORRISON BROTHERS CO	Historical	Flame Arresters and Flame Arrester-Vent Valve Combinations for Oil Storage Tank
IILX.MP5161	MORRISON BROTHERS CO		Flame Arresters and Flame Arrester-Vent Valve Combinations for Oil Storage Tanks

Feedback

UL Research Options: Market Surveillance

B. Product Information

Manufacturer's name	Onken LLC
Type of product: (portable lamp, toaster, etc.)	Portable Transfer Tank for Oil Svc
Product model number	DW New Oil, Used Oil Tanks
UL File Number (if known)	MH49343
Where did you purchase this product?	
Product description	Double Walled Storage Tank on caster for Automotive New Oil and Used Oil

UL Research Options: Market Surveillance

C. Description of Concern

Concern description (If reporting an online advertising concern, please provide a link.)

It appears that Onken LLC tanks are listed under Outline of Investigation UL 75, Portable Containers and Tanks for Flammable and/or Combustible Liquids, Edition 1, issued 18DEC2014, Category EFTZ. However, the label applied to the tank is making use of UL 142/ULC S601 for Stationary Tanks. UL 142/ULC S 601 tanks are not qualified to be portable.

Upload Pictures

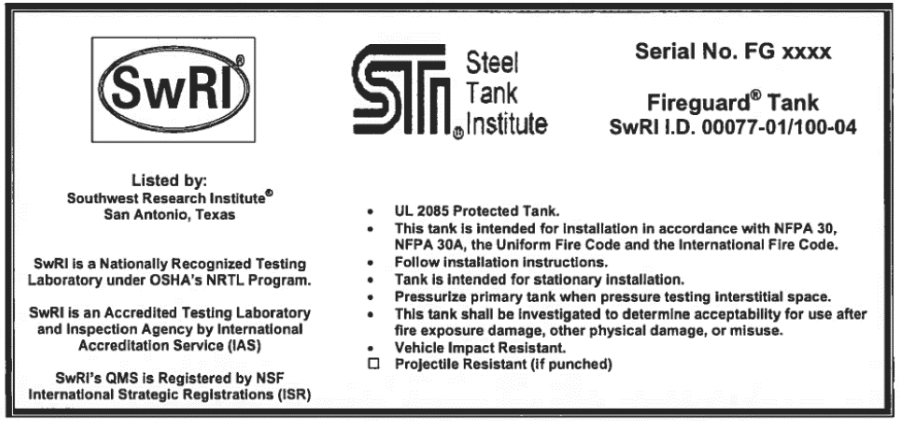
You can upload up to four (4) images of the product in question. **Please include a photo of the UL Label.** NOTE: At this time, we can accept image formats only, such as JPG, GIF, PNG or BMP. After submitting this form, if you would like to provide additional images, or files in an alternate format, please email us at Market.Surveillance@ul.com.

File

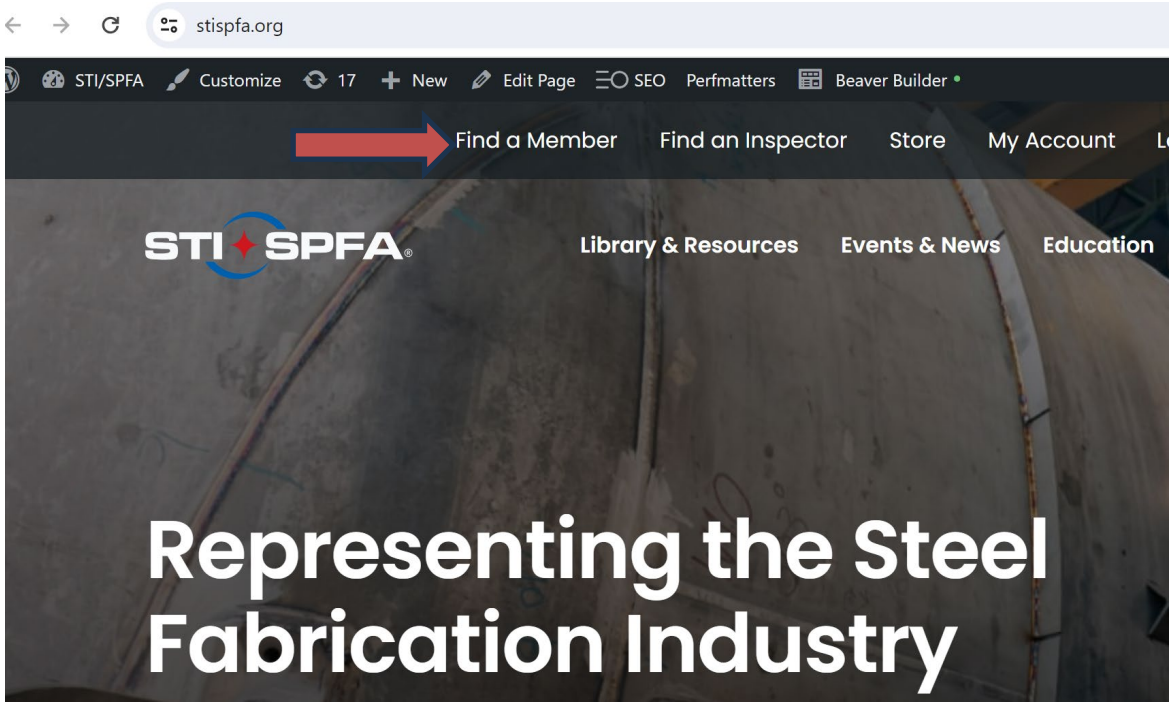
Choose File Onken LLC label.png

Gather info from STI/SPFA on a tank

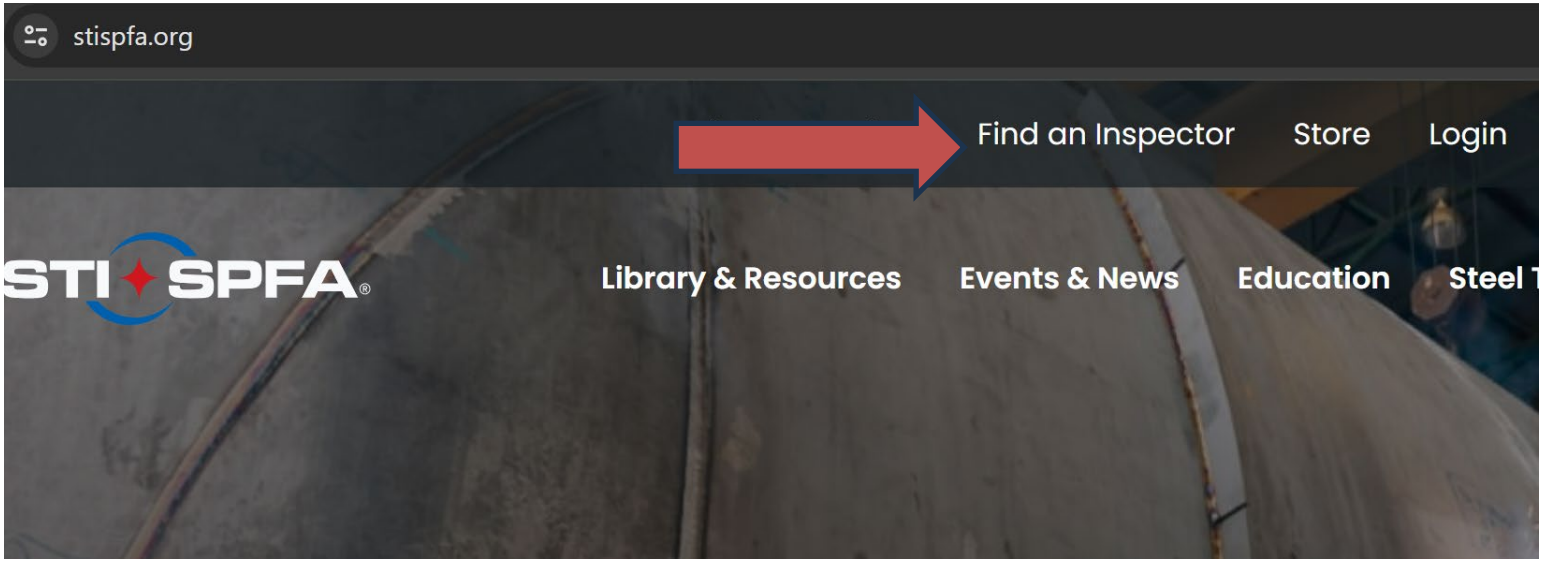
- Tank Information often relies on the owner or the installer returning the Warranty Confirmation card.
- If you can see and collect the STI/SPFA serial number, that can be helpful.
- If you can see and collect an STI/SPFA number and a UL or SwRI number, that helps even more.
- Contact info@stispfa.org



Gather info from STI/SPFA for a member



Gather info from STI/SPFA for an SP001 Inspector or CP Tester



Gather info from STI/SPFA for an SP001 Inspector or CP Tester

Back to SP001 Aboveground Tank System Inspector

Craig Robert Fletcher

Principal/CEO

Fletcher Consultants, Inc.

4858 Harbord Drive Oakland, CA 94618

Company

Fletcher Consultants, Inc.

Services

Engineering Services, Testers

SP001 Certified Inspector ID

AST-R10709

SP001 Expiration Date

3/1/2029

Where are the Monthly/Annual Checklists and Owner Record?

FEBRUARY 6, 2024

Five Reasons to Work Safely Today

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STI SP001 Portable Container Monthly Inspection Checklist

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STI SP001 Annual Inspection Checklist

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Where are the Monthly/Annual Checklists and Owner Record?

Related Resources

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STI SP001 Annual Inspection Checklist

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FEBRUARY 13, 2024

STI SP001 Monthly Inspection Checklist

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FEBRUARY 13, 2024

STI SP001 AST Record

Read More →

Any Questions?

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