



**Underwriters
Laboratories Inc.®**

Northbrook Division
333 Pfingsten Road
Northbrook, IL 60062-2096 USA
www.ul.com
tel: 1 847 272 8800
fax: 1 847 272 8129
Customer service: 1 877 854 3577

December 6, 2006

Mr. Phil Kemm
Transtank Pty Ltd
Suite 12 1020 Doncaster Rd
East Doncaster, Victoria 3109
Australia

E-mail: phil@hazkem.com.au

Reference: File MH45150

Products: "T" SERIES RECTANGULAR ABOVEGROUND SECONDARY CONTAINMENT TANKS FOR
FLAMMABLE AND COMBUSTIBLE LIQUIDS

Dear Mr. Kemm:

This confirms that the subject products have been investigated by Underwriters Laboratories Inc., have been found to comply with the applicable requirements of the current edition of UL142, Underwriters Laboratories Inc. Standard for Steel Aboveground Tanks for Flammable and Combustible Liquids, and ULC/ORD-C142.18-1995, Underwriters Laboratories of Canada Other Recognized Document for Rectangular Steel Aboveground Tanks for Flammable and Combustible Liquids, and are eligible to bear the UL Listing Mark if constructed in accordance with the UL Follow-Up Service Inspection Procedure, File MH45150, Volume 1 (UL Listing Report dated September 19, 2006 under File MH45150).

If you have any questions, please contact me.

Sincerely,

Tim Crews
Staff Engineer
Hazardous Locations, Gas & Oil
Tel: 847-664-2516
Fax: 847-313-2516
E-mail: timothy.a.crews@us.ul.com

An independent organization working for a safer world with integrity, precision and knowledge.





File MH45150

Vol 1

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FOLLOW-UP SERVICE PROCEDURE
(TYPE L)

ABOVEGROUND FLAMMABLE LIQUID TANKS
(EEEV,EEEV7)

Applicant: TRANSTANK PTY LTD
(132739-001) SUITE 12
1020 DONCASTER RD
EAST DONCASTER
VICTORIA 3109 AUSTRALIA

Listee: SAME AS APPLICANT
(132739-001)

This Procedure authorizes the above manufacturer to use the marking specified by Underwriters Laboratories Inc.(UL), or any authorized licensee of UL, only on products covered by this Procedure, in accordance with the applicable UL Services Agreement.

The prescribed Mark or Marking shall be used only at the above manufacturing location on such products which comply with this Procedure and any other applicable requirements.

The Procedure contains information for the use of the above named Manufacturer and representatives of Underwriters Laboratories Inc. and is not to be used for any other purpose. It is lent to the Manufacturer with the understanding that it is not to be copied, either wholly or in part, and that it will be returned to Underwriters Laboratories Inc. (UL) or any authorized licensee of UL, upon request.

This PROCEDURE, and any subsequent revision, is the property of Underwriters Laboratories Inc.(UL) and the authorized licensee of UL and is not transferable.

Underwriters Laboratories Inc.

Stephen Hewson
Senior Vice President
Global Follow-Up Service Operations

William R. Carney
Director
North American Certification Program

File MH45150

Project 06CA03795

September 19, 2006

REPORT

ON

ABOVEGROUND FLAMMABLE LIQUID TANKS

Transtank Pty. Ltd.
East Doncaster, Australia

DESCRIPTION

PRODUCT COVERED:

USL, CNL - Rectangular Aboveground Secondary Containment Tanks for Flammable and Combustible Liquids.

GENERAL:

These are aboveground rectangular steel tanks with secondary containment designed for aboveground storage of flammable liquids at atmospheric pressure. They are for use with only non-corrosive, stable liquids that have a specific gravity not exceeding that of water.

The tanks are intended for stationary installation in accordance with the Standard for Flammable and Combustible Liquids Code of the National Fire Protection Association, NFPA No. 30; the National fire Code of Canada, Part 4; and CSA B139, Installation Code for Oil Burning Equipment.

The tanks are fabricated, inspected, and tested for leakage before shipment from the factory as completely assembled vessels.

REQUIREMENTS:

USL - The tanks are constructed in accordance with the current edition of the Standard of Underwriters Laboratories Inc. for Steel Aboveground Tanks for Flammable and Combustible Liquids, UL 142. Details not specifically covered in the descriptive section of this Follow-Up Service Procedure shall conform to this Standard.

CNL - Shall comply with ULC/ORD-C142.18-1995, Rectangular Steel Aboveground Tanks for Flammable and Combustible Liquids.

TESTS TO BE CONDUCTED BY MANUFACTURER:

Each tank, before painting, shall be tested by the manufacturer and provided tight against leakage in accordance with the following test procedure. CAUTION: A Pressure Relief Device Is To Be Used When Testing Tanks With Air Pressure.

A. After completion of the primary tank, it shall be pressurized to 35 kPa. The entire outer surface shall be checked for leakage by applying soap suds, linseed oil or equivalent solution. Continuous formation of bubbles is evidence of leakage.

B. After completion of the secondary containment tanks, the primary tank shall be pressurized to 35 kPa and held for a period of 1 hour to check for leakage. A continuous drop in pressure is considered evidence of leakage. While maintaining 35 kPa pressure on the primary tank, the space bounded by the primary and secondary walls shall be pressurized to 35 kPa. The entire outer surface shall be checked for leakage by applying soap suds, linseed oil or equivalent solution. Continuous formation of bubbles is evidence of leakage.

C. If leaks are noted during testing, the tank shall be made tight by welding and retested. Defects in welds shall be repaired by chipping or melting out from one or both sides of the joint, as required, and rewelding.

MARKING:

Method of marking shall be in accordance with the Standards. A stamped metal corrosion resistant nameplate fastened to a bracket welded to the surface of the tank at a location visible at grade level shall be used. The marking shall be as specified in the Standards and the following.

1. The manufacturer's name.
2. The statement, "The Tank Requires Emergency Relief Venting Capacity Not Less Than (+) Cubic Feet Per Hour."

(+) - See Table 8.1 of UL142.
3. The statement, "This Tank Is Intended For Stationary Installation Only."
4. The statement, "On Supports" adjacent to the Listing Mark described below.
5. Tank top, shell and bottom metal thickness in millimeters.
6. Tank capacity in liters.
7. Maximum Operating Pressure, 7 kPa
8. Maximum Operating Vacuum, 300 Pa
9. Capacity of total tank venting (normal and emergency), m³/min.
10. Year of manufacture

LISTING MARK:

(Label Account: 58-23-1)

UNDERWRITERS LABORATORIES INC. FOR US and CANADA SYMBOL

R

LISTED

SECONDARY CONTAINMENT ABOVEGROUND TANK FOR FLAMMABLE LIQUIDS

INSTALLATION INSTRUCTIONS:

Each tanks shall be provided with a copy of the installation instructions. The instructions shall include the information required in ULC/ORD-C42.18-1995, Sections 7 and 8.

CONSTRUCTION DETAILS:

General - The tanks shall be constructed in accordance with both the current edition of UL Standard UL142 and ULC Standard ULC/ORD-C142.18-1995, the following description, and Ills. 1 through 7. The overall length of the tanks may vary provided the width and height of the primary and secondary tanks do not exceed that shown in the illustrations, the stiffener spans are not greater than that shown in the illustrations, and the material and thicknesses are as shown in the illustrations.

Provision for Venting - Each primary tank shall have provision for normal and emergency venting. The interstitial space of each tank shall have provision for emergency venting. The vent openings shall be identified and be in addition to filling, withdrawal or monitoring openings. The vent fittings shall be on the tank top and shall be sized as specified in the Standards

Additional Openings - Separate openings shall be provided on the tank for connection to piping and monitoring. All openings shall employ fittings constructed in accordance with the Standard. The size and location of the fittings may vary from that shown in the Illustrations.

Joints and Seams - Joints and seams shall be in accordance with the Standards and as shown in the respective illustrations detailing the tank constructions.

Bracing and Support Steel - All bracing, stiffeners and support steel shall be provided as shown in the respective illustrations. Arrangements and details for welding the bracing and supports are specified on the illustrations.

Material and Thickness - The material used in construction of the tanks shall be as specified in the Standards. The sheet steel shall be 6 mm minimum thick.

Lifting Fittings - Lifting Fittings shall be constructed as show in the illustrations. Four lifting fittings shall be used for tanks capacities up to 68,000 liters. Longer tanks up to and including 80,000 liters shall have 8 lifting fittings.

Ladders - Exterior and interior ladders shall be constructed as specified in the illustrations.

Supplementary Equipment - Each tank shall be provided with a gauge chart and a gauge stick with minimum cross section of 11 by 19 mm with a length of 300 mm greater than the depth of the tank, a ULC Listed spill containment device of not less than 15 L capacity that complies with the requirements of ULC/ORD-C142.19, a ULC Listed overflow prevention device that complies with the requirements of ULC/ORD-C58.15, and ULC Listed manway gasket that complies with the requirements of ULC/ORD-C107.19-1992.

TEST RECORD NO. 1

SAMPLES:

The manufacturer submitted a Model T68, 68000 liter rectangular secondary containment tank and a Model T30, 30000 liter rectangular secondary containment tank. The sample constructions were considered to be representative of the tanks described in this Report.

GENERAL:

The following tests were conducted in accordance with UL142, Standard for Steel Aboveground Tanks for Flammable and Combustible Liquids, Eighth Edition dated July 11, 2002, and ULC/ORD-C142.18-1995, Other Recognized Document for Rectangular Steel Aboveground Tanks for Flammable and Combustible Liquids, Second Edition dated March, 2000. The results relate only to those samples tested.

Test	ULC Clause	UL Section
Leakage Test	6.1, 6.2	39
Hydrostatic Strength Test	6.4, 6.5	40
Static Load/Top Load Test	6.6	41
Lift Lug Strength Test	6.9	-
Tank Support Load Test	6.10	44
Static Load (Ladders) Test	-	34.5

The results of the above tests were reviewed and found to comply with the applicable requirements of UL142, Standard for Steel Aboveground Tanks for Flammable and Combustible Liquids, Eighth Edition dated July 11, 2002, and ULC/ORD-C142.18-1995, Other Recognized Document for Rectangular Steel Aboveground Tanks for Flammable and Combustible Liquids, Second Edition dated March, 2000.

TEST RECORD NO. 2

SAMPLES:

The manufacturer submitted a Model T4.5, 4500 liter rectangular secondary containment tank. The sample constructions were considered to be representative of the tanks described in this Report.

GENERAL:

The following tests were conducted in accordance with UL142, Standard for Steel Aboveground Tanks for Flammable and Combustible Liquids, Eighth Edition dated July 11, 2002, and ULC/ORD-C142.18-1995, Other Recognized Document for Rectangular Steel Aboveground Tanks for Flammable and Combustible Liquids, Second Edition dated March, 2000. Based on the greater unsupported area of the T12 tank as compared to the T4.5 tank, the Static Load/Top Load Test was not conducted. The results relate only to those samples tested.

Test	ULC Clause	UL Section
Leakage Test	6.1, 6.2	39
Hydrostatic Strength Test	6.4, 6.5	40
Lift Lug Strength Test	6.9	-
Tank Support Load Test	6.10	44

The results of the above tests were reviewed and found to comply with the applicable requirements of UL142, Standard for Steel Aboveground Tanks for Flammable and Combustible Liquids, Eighth Edition dated July 11, 2002, and ULC/ORD-C142.18-1995, Other Recognized Document for Rectangular Steel Aboveground Tanks for Flammable and Combustible Liquids, Second Edition dated March, 2000.

Test Record Summary:

The results of this investigation indicate that the products evaluated comply with the requirements of UL142, Standard for Steel Aboveground Tanks for Flammable and Combustible Liquids, Eighth Edition dated July 11, 2002, and ULC/ORD-C142.18-1995, Other Recognized Document for Rectangular Steel Aboveground Tanks for Flammable and Combustible Liquids, Second Edition dated March 2000, and therefore, such products are judged eligible to bear the UL Mark as described on the Conclusion Page of this Report.

Test Record by:

Reviewed by:

TIM CREWS
Staff Engineer

WAYNE DOVERSBERGER
Staff Engineer

CONCLUSION

Samples of the products covered by this Report have been found to comply with the requirements covering the class and the products are judged to be eligible for Listing and Follow-Up Service. The manufacturer is authorized to use the Laboratories' Mark on such products which comply with the Follow-Up Service Procedure and any other applicable requirements of Underwriters Laboratories Inc. Only those products which properly bear the Laboratories' Mark are considered as Listed by Underwriters Laboratories Inc.

Report by:

Reviewed by:

TIM CREWS
Staff Engineer

Wayne Doversberger
Staff Engineer