JOSE BENAVENTE
TALLERES INDUSTRIALES POTOSINOS S A DE
CARR 57 KM 195
78395 SAN LUIS POTOSI
SLP MEXICO

Date: 2019/10/03
Subscriber: 832301002
PartySite: 635481
File No: MH61636
Project No: 4789086699
PD No: 19M29447
Type: R
PO Number:

Subject: **Procedure And/Or Report Material**

The following material resulting from the investigation under the above numbers is enclosed.

Issue Date	Vol	Sec	Pages	Revised Date
	1		Revised Authorization Page(s)	2019/09/27
	1		Revised Index Page(s) 1	2019/09/27
2016/07/21	1	2	Cert of Compliance	
2016/07/21	1	2	Revised Description Page(s) 1,7	2019/09/27
2016/07/21	1	2	New Test Record 3	2019/09/27

Revised Authorization Page sent as a result of an International Name change to the UL Contracting Party.

Inspections at your plant will be conducted under the supervision of Francisco Palencia, AREA MANAGER, UL INSPECTION CENTER MATAMOROS, BLAS PASCAL NO 205 PISO 2, COL LOS MORALES, DELEGACION MIGUEL HIDALGO, MEXICO, DF, Mexico, 11510., PHONE:+52 (461) 121.8999, FAX: 52-5552026284, EMAIL: Francisco.Palencia@ul.com

Please file revised pages and illustrations in place of material of like identity. New material should be filed in its proper numerical order.

NOTE: Follow-Up Service Procedure revisions DO NOT include Cover Pages, Test Records and Conclusion Pages. Report revisions DO NOT include Authorization Pages, Indices, Section General Pages and Appendixes.

Please review this material and report any inaccuracies to UL's Customer Service Professionals. Contact information for all of UL's global offices can be found at http://ul.com/aboutul/locations.

If you'd like to receive updated materials FASTER, UL offers electronic access and/or delivery of this material. For more details, contact UL's Customer Service Professionals as shown above.

This material is provided on behalf of UL LLC(UL) or any authorized licensee of UL.

NBK File

UL INSPECTION CENTER 462

FOLLOW-UP SERVICE PROCEDURE
(TYPE R)

CONTAINMENT SUMPS, FITTINGS AND ACCESSORIES FOR FUELS
(QLWA)

Manufacturer: SEE ADDENDUM FOR MANUFACTURER LOCATIONS

635481 (Party Site)
Applicant: TALLERES INDUSTRIALES POTOSINOS S A DE C V
(832301-002) Carr 57 Km 195
78395 San Luis Potosi
Slp MEXICO

635481 (Party Site)
Listee: SAME AS APPLICANT
(832301-002)

Use of the Mark

This Follow-Up Service Procedure authorizes the above Manufacturer(s) to use the marking specified by UL LLC, or any authorized licensee of UL LLC, including the UL Contracting Party, only on products when constructed, tested and found to be in compliance with the requirements of this Follow-Up Service Procedure and in accordance with the terms of the applicable service agreement with UL Contracting Party. The UL Contracting Party for Follow-Up Services is listed in the addendum to this Follow-Up Service Procedure ("UL Contracting Party"). UL Contracting Party and UL LLC are referred to jointly herein as "UL."

It is the responsibility of the Applicant, Manufacturer(s), and Listee/Classified Co. to make sure that only the products meeting the aforementioned requirements bear the authorized Marks of UL LLC, or any authorized licensee of UL LLC.

Additional Responsibilities

Additional responsibilities, duties and requirements for the Applicant and Manufacturers are defined under Additional Resources at the following web-site: http://www.ul.com/fus . Manufacturers without Internet access may obtain the current version of these documents from their local UL customer service representative or UL field representative. For assistance, or to obtain a paper copy of these documents or the Follow-Up Service Terms referenced below, please contact UL's Customer Service at http://www.ul.com/aboutul/locations/ , select a location and enter your request, or call the number listed for that location.

Acceptance of Follow-Up Services

The Applicant and the specified Manufacturer(s) and any Listee/Classified Co. in this Follow-Up Service Procedure must agree to receive Follow-Up Services from UL Contracting Party. If your applicable service agreement is a Global Services Agreement ("GSA"), the Applicant, the specified Manufacturer(s) and any Listee/Classified Co. will be bound to a Service Agreement for Follow-Up Services upon the earliest by any Subscriber of a) use of the prescribed UL Mark, b) acceptance of the factory inspection, or c) payment of the Follow-Up Service fees. The Service Agreement incorporates such GSA, this Follow-Up Service Procedure and the Follow-Up Service Terms which can be accessed by clicking the following link: http://services.ul.com/fus-service-terms. In all other events, Follow-Up Services will be governed by and incorporate the terms of your applicable service agreement and this Follow-Up Service Procedure.

Use and Ownership of the Follow-Up Service Procedure

This Follow-Up Service Procedure, and any subsequent revisions, is the property of UL and is not transferable. This Follow-Up Service Procedure contains confidential information for use only by the Applicant, the specified Manufacturer(s), and representatives of UL and is not to be used for any other purpose. It is provided to the Subscribers with the understanding that it is not to be copied, either wholly or in part unless specifically allowed, and that it will be returned to UL, upon request.

Definition of Terms

Capitalized terms used but not defined herein have the meanings set forth in the GSA and the applicable Service Terms or any other applicable UL service agreement.

No Third Party Liability

UL shall not incur any obligation or liability for any loss, expense or damages, including incidental, consequential or punitive damages arising out of or in connection with the use or reliance upon this Follow-Up Service Procedure to anyone other than the above Manufacturer(s) as provided in the agreement between UL LLC or an authorized licensee of UL LLC, including UL Contracting Party, and the Manufacturer(s).

Certification Body

UL LLC has signed below solely in its capacity as the certification body to indicate that this Follow-Up Service Procedure fulfills the requirements for certification documentation issued by the certification body.

Bruce A. Mahrenholz
Director
Conformity Assessment Programs (CPO)
UL LLC

LOCATION

635481 (Party Site)
(832301-002) TALLERES INDUSTRIALES POTOSINOS S A DE C V
Carr 57 Km 195
78395 San Luis Potosi
Slp MEXICO
Factory ID: None
UL Contracting Party for above site is: UL GmbH

Index

Models	Section	Report Date
USL - Single Wall Cylindrical 41 and 45 inch tank sumps, Model Nos. TIP-4130-TSH20FF, TIP-4130-TRANSH20FF, TIP-4733-TSH20FF, and TIP-4539-TSH20FF, respectively.	1	2016-07-20
*USL - Models TIP-1129-AUDS, TIP-1142-AUDS, TIP-1142-AUDSL, TIP-1223-AUDS, TIP-1223-AUDSL, TIP-1223-AUDSM, TIP-1229-AUDS, TIP-1229-AUDSL, TIP-1241-AUDS, TIP-1241-AUDSL, **TIP-1241-DEF**, TIP-1336-AUDS, TIP-1336-AUDSL, TIP-1342-AUDS, TIP-1342-AUDSL, TIP-1528-AUDS, **TIP-1536-AUDS**, TIP-1542-AUDS, TIP-1542-AUDSL, TIP-1628-AUDS, TIP-1628-AUDSL, TIP-1630-AUDS, TIP-1630-AUDSL, TIP-1642-AUDS, TIP-1642-AUDSL, TIP-1642UDS, TIP-1542UDS, TIP-1731-AUDS, TIP-1731-AUDSL, TIP-1736-AUDS, TIP-1736-AUDSL, TIP-1736-AUDSM, TIP-1741-AUDS, TIP-1741-AUDSL, TIP-1741-AUDSM, TIP-1746A-UDS TIP-1754-AUDS, TIP-1754-AUDSL, TIP-1829-AUDS, **TIP-1829-AUDSL**, TIP-1933-AUDS, TIP-1933-AUDSL, TIP-1945-AUDS and TIP-1945-AUDSL **and TIP-TRAN4130-AUDSL** Dispenser sumps with integral mounting frame and emergency shear valve mounting systems.	2	2016-07-21

DESCRIPTION

PRODUCT COVERED:

* USL - Models TIP-1129-AUDS, TIP-1142-AUDS, TIP-1142-AUDSL, TIP-1223-AUDS, TIP-1223-AUDSL, TIP-1223-AUDSM, TIP-1229-AUDS, TIP-1229-AUDSL, TIP-1241-AUDS, TIP-1241-AUDSL, **TIP-1241-DEF**, TIP-1336-AUDS, TIP-1336-AUDSL, TIP-1342-AUDS, TIP-1342-AUDSL, TIP-1528-AUDS, **TIP-1536-AUDS**, TIP-1542-AUDS, TIP-1542-AUDSL, TIP-1628-AUDS, TIP-1628-AUDSL, TIP-1630-AUDS, TIP-1630-AUDSL, TIP-1642-AUDS, TIP-1642-AUDSL, TIP-1642UDS, TIP-1542UDS, TIP-1731-AUDS, TIP-1731-AUDSL, TIP-1736-AUDS, TIP-1736-AUDSL, TIP-1736-AUDSM, TIP-1741-AUDS, TIP-1741-AUDSL, TIP-1741-AUDSM, and TIP-1746A-UDS TIP-1754-AUDS, TIP-1754-AUDSL, TIP-1829-AUDS, **TIP-1829-AUDSL**, TIP-1933-AUDS, TIP-1933-AUDSL, **TIP-1945-AUDS**, TIP-1945-AUDSL, **and TIP-TRAN4130-AUDSL**, Dispenser sumps with integral mounting frame and emergency shear valve mounting systems.

Models may be followed by suffix "DW" (Doublewall).

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

USL indicates investigation to UL2447, "Outline of Investigation for Containment Sumps, Fittings and Accessories for Fuels", Issue No. 1 dated March 30, 2012.

GENERAL:

These containment sumps and sump accessories are intended for below or at grade use as an enclosure for housing of, and access to, underground piping, connector piping, and other fueling system components (such as pumps, valves, sensors, wiring, etc.) in addition to temporary containment of typical liquid fuels as identified in this Outline. These products are intended for use in commercial (public) or private (fleet) automotive fueling station applications.

The containment sumps covered are single wall type primary constructions of nonmetallic materials. The containment sump types intended for use in the following automotive fueling station applications are:

a) Dispenser Sumps - Sumps intended for installation below flammable liquid dispensing equipment;

Containment sump accessories covered may be included as either an integral part of the containment sump, or as a field installed kit include the following sump applications:

b) Sump Frames - Frames intended to provide structural support of the sump walls and/or components above or in the sump;

c) Sump Brackets - Brackets intended to provide structural attachment points for components inside the sump; and

Containment sumps and accessories are intended for containment of automotive fuels and exposure to soil fluids that have similar chemical, physical and material compatibility properties as represented by the test liquids in these requirements based on fuels formulated in accordance with 40 CFR Part 80, Regulation of Fuels and Fuel Additives, and meeting the following ASTM Fuel Specifications and blend limitations:

DISPENSER SUMPS – FIGS. 1 AND 2

CONSTRUCTION DETAILS:

General - The dispenser sumps consist of a polyethylene containment sump with mounting frame and valve mounting hardware factory installed as shown in Ill. 2. They are fabricated using the components described below and in the referenced Illustrations. The steel components, except the nuts, bolts and washers, shall be provided with a corrosion protective zinc or cadmium coating having a minimum thickness 0.00045 in. The bolts, nuts and washers shall be provided with a zinc or cadmium coating having a minimum thickness 0.00015 in. sump dimensions may be less than the maximum length, width and height shown.

1. Containment Sump – Rotomolded from Equistar Chemical LP "Microthene MP655-662" or Equistar Chemical LP "MP652962" high density polyethylene (HDPE) to the shape and dimensions shown in the Illustrations . Minimum thickness shall be 5/16 in **for both the inner and outer sump wall.**

2. Frame – Fabricated of ¼ in. thick (minimum) 2 in . x 2 in. steel angle as shown in Ills. 1-38. Frame is fastened to the sump with ½ in. diameter, Grade 8 bolts, washers and nuts where shown in Fig. 2.

3. Side Rails – fabricated of 0.093 in. thick (mimimum) steel unistrut channels as shown in Ill. 39. Fastened to frame and sump wall with 1/2 in. diameter, Grade 8 nuts and washers to Grade 8 bolts welded to the back of the side channels (see Fig. 2). Length of side rails is approx. the inside length of the sump.

4. Stabilizer Bar Assemblies – fabricated of two plated steel stabilizer plates as shown in ILLS. 40 - 47 (See Fig. 1 for steel thickness used with each sump model) and a 5/16 in. thick minimum emergency valve mounting plate (ILL. 48) with mounting hardware as shown in Fig. 2.

CERTIFICATE OF COMPLIANCE

Certificate Number	20191003-MH61636
Report Reference	MH61636-20160721
Issue Date	2019-OCTOBER-03
Issued to:	TALLERES INDUSTRIALES POTOSINOS S A DE C V Carr 57 Km 195 78395 San Luis Potosi Slp, MEXICO
This certificate confirms that representative samples of	CONTAINMENT SUMPS, FITTINGS AND ACCESSORIES FOR FUELS See Addendum. Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	UL2447, Outline of Investigation for Containment Sumps, Fittings and Accessories for Fuels.
Additional Information:	See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

Bruce Mahrenholz, Director North American Certification Program

UL LLC

CERTIFICATE OF COMPLIANCE

Certificate Number	20191003-MH61636
Report Reference	MH61636-20160721
Issue Date	2019-OCTOBER-03

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Models TIP-1129-AUDS, TIP-1142-AUDS, TIP-1142-AUDSL, TIP-1223-AUDS, TIP-1223-AUDSL, TIP-1223-AUDSM, TIP-1229-AUDS, TIP-1229-AUDSL, TIP-1241-AUDS, TIP-1241-AUDSL, TIP-1241-DEF, TIP-1336-AUDS, TIP-1336-AUDSL, TIP-1342-AUDS, TIP-1342-AUDSL, TIP-1528-AUDS, TIP-1536-AUDS, TIP-1542-AUDS, TIP-1542-AUDSL, TIP-1628-AUDS, TIP-1628-AUDSL, TIP-1630-AUDS, TIP-1630-AUDSL, TIP-1642-AUDS, TIP-1642-AUDSL, TIP-1642UDS, TIP-1542UDS, TIP-1731-AUDS, TIP-1731-AUDSL, TIP-1736-AUDS, TIP-1736-AUDSL, TIP-1736-AUDSM, TIP-1741-AUDS, TIP-1741-AUDSL, TIP-1741-AUDSM, and TIP-1746A-UDS TIP-1754-AUDS, TIP-1754-AUDSL, TIP-1829-AUDS, TIP-1829-AUDSL, TIP-1933-AUDS, TIP-1933-AUDSL, TIP-1945-AUDS, TIP-1945-AUDSL, and TIP-TRAN4130-AUDSL, Dispenser sumps with integral mounting frame and emergency shear valve mounting systems.

Models may be followed by suffix “DW” (Doublewall).

Bruce Mahrenholz, Director North American Certification Program

UL LLC

DESCRIPTION

PRODUCT COVERED:

* USL - Models TIP-1129-AUDS, TIP-1142-AUDS, TIP-1142-AUDSL, TIP-1223-AUDS, TIP-1223-AUDSL, TIP-1223-AUDSM, TIP-1229-AUDS, TIP-1229-AUDSL, TIP-1241-AUDS, TIP-1241-AUDSL, **TIP-1241-DEF**, TIP-1336-AUDS, TIP-1336-AUDSL, TIP-1342-AUDS, TIP-1342-AUDSL, TIP-1528-AUDS, **TIP-1536-AUDS**, TIP-1542-AUDS, TIP-1542-AUDSL, TIP-1628-AUDS, TIP-1628-AUDSL, TIP-1630-AUDS, TIP-1630-AUDSL, TIP-1642-AUDS, TIP-1642-AUDSL, TIP-1642UDS, TIP-1542UDS, TIP-1731-AUDS, TIP-1731-AUDSL, TIP-1736-AUDS, TIP-1736-AUDSL, TIP-1736-AUDSM, TIP-1741-AUDS, TIP-1741-AUDSL, TIP-1741-AUDSM, and TIP-1746A-UDS TIP-1754-AUDS, TIP-1754-AUDSL, TIP-1829-AUDS, **TIP-1829-AUDSL**, TIP-1933-AUDS, TIP-1933-AUDSL, **TIP-1945-AUDS**, TIP-1945-AUDSL, **and TIP-TRAN4130-AUDSL**, Dispenser sumps with integral mounting frame and emergency shear valve mounting systems.

Models may be followed by suffix "DW" (Doublewall).

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

USL indicates investigation to UL2447, "Outline of Investigation for Containment Sumps, Fittings and Accessories for Fuels", Issue No. 1 dated March 30, 2012.

GENERAL:

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The containment sumps covered are single wall type primary constructions of nonmetallic materials. The containment sump types intended for use in the following automotive fueling station applications are:

a) Dispenser Sumps - Sumps intended for installation below flammable liquid dispensing equipment;

Containment sump accessories covered may be included as either an integral part of the containment sump, or as a field installed kit include the following sump applications:

b) Sump Frames - Frames intended to provide structural support of the sump walls and/or components above or in the sump;

c) Sump Brackets - Brackets intended to provide structural attachment points for components inside the sump; and

Containment sumps and accessories are intended for containment of automotive fuels and exposure to soil fluids that have similar chemical, physical and material compatibility properties as represented by the test liquids in these requirements based on fuels formulated in accordance with 40 CFR Part 80, Regulation of Fuels and Fuel Additives, and meeting the following ASTM Fuel Specifications and blend limitations:

DISPENSER SUMPS – FIGS. 1 AND 2

CONSTRUCTION DETAILS:

General - The dispenser sumps consist of a polyethylene containment sump with mounting frame and valve mounting hardware factory installed as shown in Ill. 2. They are fabricated using the components described below and in the referenced Illustrations. The steel components, except the nuts, bolts and washers, shall be provided with a corrosion protective zinc or cadmium coating having a minimum thickness 0.00045 in. The bolts, nuts and washers shall be provided with a zinc or cadmium coating having a minimum thickness 0.00015 in. sump dimensions may be less than the maximum length, width and height shown.

1. Containment Sump – Rotomolded from Equistar Chemical LP "Microthene MP655-662" or Equistar Chemical LP "MP652962" high density polyethylene (HDPE) to the shape and dimensions shown in the Illustrations . Minimum thickness shall be 5/16 in **for both the inner and outer sump wall.**

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4. Stabilizer Bar Assemblies – fabricated of two plated steel stabilizer plates as shown in ILLS. 40 - 47 (See Fig. 1 for steel thickness used with each sump model) and a 5/16 in. thick minimum emergency valve mounting plate (ILL. 48) with mounting hardware as shown in Fig. 2.

TEST RECORD NO. 3

SAMPLES

Manufacturer has submitted the following models sump for this investigation:

- Model TIP-1241-DEF, TIP-1536-AUDS, TIP-1829-AUDSL, and TIP-TRAN4130-AUDSL;
- Add suffix “DW” to all currently Listed models. “DW” denotes doublewall.

GENERAL:

Based on the sumps being fabricated using the same materials and minimum thickness as those tested as described in Test Record No. 1 of this Report, and based on the sumps submitted were either smaller than the sumps tested, or not tested based on the stress due to hydrostatic load in the sides, bottom or ends not being any greater than in the samples previously tested as described in Test Record No. 1 of this Report. The sample tested had the same head pressure as the largest sump submitted and the length of the flat side of the sample tested was greater than twice that of the width, so testing of the longer sumps of the same height or less was not necessary. No additional testing is necessary for this investigation.

Test Record Summary:

The results of this investigation indicate that the products evaluated comply with the requirements of UL2447, Outline of Investigation for Containment Sumps, Fittings and Accessories for Fuels, Issue No. 1 dated March 30, 2012, and therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

Test Record by:

ADRIAN LIU
Project Engineer

Reviewed by:

TIM CREWS
Staff Engineer