SWRO
Pierce

Tanknology
11000 N. MoPac Expressway, Suite 500
Austin, Texas 78759
Phone: (512) 451-6334
Fax: (512) 459-1459

Date Printed and Mailed: 10/20/2023

UNDERGROUND STORAGE TANK SECTION
WASHINGTON DEPT. OF ECOLOGY
P.O. BOX 47655
OLYMPIA, WA 98504

Test Date: 10/19/2023
Order Number: 2362766

Dear Regulator,

Enclosed are the results of recent testing performed at the following facility:

7-Eleven 38699
2631 S 38th St
Tacoma, WA 98409

Testing performed:
- IMPACT VALVE
- LEAK DETECTOR
- MONITOR CERTIFICATION
- OVERFILL OPERABILITY
- SPILL BUCKET TEST

Sincerely,

Dawn Kohlmeyer

Dawn Kohlmeyer
Manager, Field Reporting

DEPARTMENT OF ECOLOGY
State of Washington

LEAK TESTING CHECKLIST
FOR UNDERGROUND STORAGE TANKS (USTs)

RECEIVED Date OCT 31 2023
Washington State Department of Ecology
Toxics Cleanup Program

UST ID #: A5871
County: PIERCE

This checklist certifies testing activities conducted in accordance with Chapter 173-360A WAC. Read instructions on pages 4-7.

☐ **PASS** – All Section VI services performed have passing results. ☑ **FAIL** – One or more components tested in Section VI require repair and re-testing.	**DATE TESTS CONDUCTED:** 10/19/2023

I. UST FACILITY	**II. CERTIFIED SERVICE PROVIDER**
Facility Compliance Tag #: A ____	Service Provider Name: David Chambers
UST ID #: A5871	Company Name: TANKNOLOGY, INC.
Site Name: 7-Eleven 38699	Address: 11000 N. MOPAC EXPRESSWAY #500
Site Address: 2631 S 38th St	City: AUSTIN State: TX Zip: 78759
City: Tacoma	Phone: (800)800-4686 Email: info@tanknology.com
County: PIERCE	ICC Certification Type: ICC UST Tank Tightness Testing
Site Phone: 253-310-5783	ICC Cert. #: 10225709 Exp. Date: 08/15/2024

III. UST OWNER/OPERATOR

Name: Marc Westfall Phone: 214-415-0146 Email: marc.westfall@7-11.com

IV. UST SYSTEM INFORMATION
Observations on test day.

1. Tank ID #, as registered with Ecology or identified on ATG	T1 RUL	T2 PUL	T3 DSL	
2. Tank Status. OP (Operational); TC (Temporary Closure)	OP	OP	OP	
3. Product stored, including % of alternative fuels	REG-87	PREM-92	DSL-40	
4. Tank or compartment capacity (gallons)	19930	8039	11897	
5. Product pumping/flow method. Note as: P (Pressurized); NS (Non-safe Suction); SS (Safe Suction); Si (Siphon); GR (Gravity Fed)	P	P	P	
Abbreviations for lines 5 and 6 below: Steel (ST); Fiberglass (FRP); clad Steel (CLAD); Flexible (FLEX); Double Wall (DW); Single Wall (SW); Not Visible (NV)				
6. Tank material and construction observed	FRP DW	FRP DW	FRP DW	
7. Pipe material and construction observed	FLEX DW	FLEX DW	FLEX DW	

V. REASON FOR SERVICES PERFORMED
(Check all that apply)

☑ Annual testing	☐ Test after install/repair	☐ Other (explain):
☑ 3-year testing	☐ Return UST system to operation	

VI. SERVICES PERFORMED

Required: Include verification for each test performed.

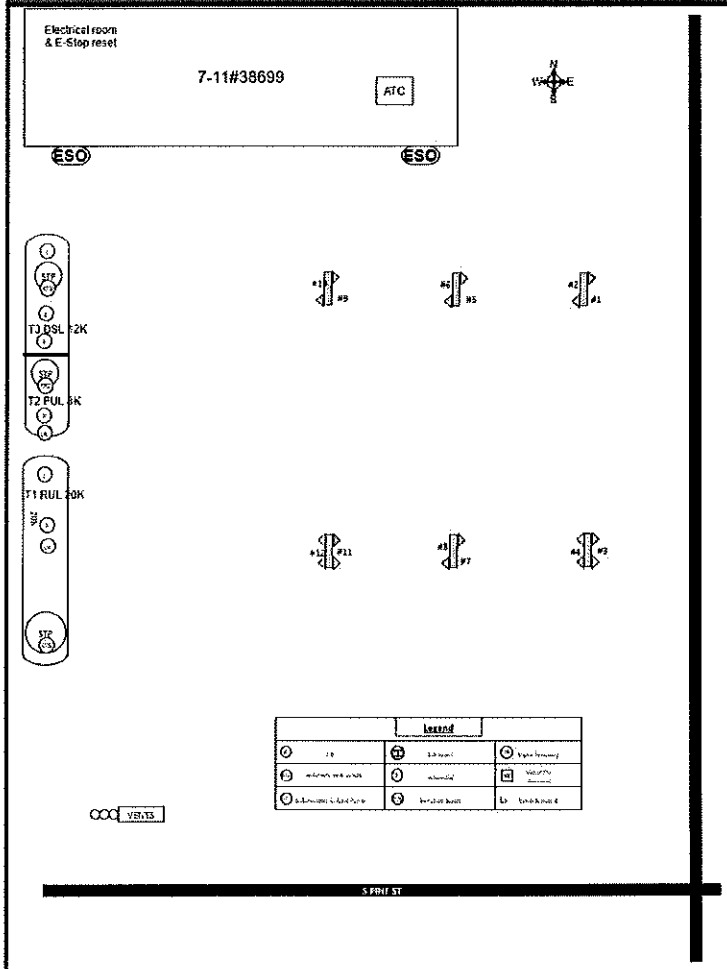
SERVICES:	# PASS	# FAIL	# REPAIRED & PASSING	DESCRIPTIONS REQUIRED: (SEE INSTRUCTIONS P. 4-7)
ALLD Test **(attach data)** Test method used: LDT-5000 Test method cert. exp. date:	3	—	—	3x Vaporless LD-2000 MLLD's passed 3 gph leak testing.
Line Tightness Test **(attach data)** Test method used: TLD-1 Test method cert. exp. date: 09/07/2026	—	—	—	NOT SCHEDULED FOR TESTING.
Electronic Monitoring System Tests Controller manufacturer/model: Veeder-Root TLS-350R Controller cert. exp. date 08/2024				3X Probe's 90-110 (mag) passed. 3x Electronic double wall spill bucket sensors- OPW single float- passed.
Monitor/controller	1	—	—	
Probe	3	—	—	3x STP sump sensors- 208's- passed.
Sump Sensor Functionality	12	—	—	6x UDC sensors- 208's passed.
Tank Annular Sensor Functionality	1	1	—	1x regular annular sensor- 409 passed.
Overfill Equipment Test ☑ Auto shutoff	3	—	—	1x T2 and T3 Combo annular sensor- not tested due to cover lid bolts rounded off and cant get access to sensor for testing.
☐ Ball float valve	—	—		3x OPW 71SO-410C flapper drop tubes passed Overfill survey and meet 95% or better requirements.
☐ Overfill alarm	—	—	—	
Fill/Spill Bucket Test **(attach data)**	3	—	—	3x double wall spill buckets passed testing. method used RP-1200, Vacuum on interstice, 30inh20 for 1 mins.
Tank-Top or Transition Sump Test **(attach data)**	—	—	—	NOT SCHEDULED FOR TESTING.
UDC Sump Test **(attach data)**	—	—	—	NOT SCHEDULED FOR TESTING.
Tank Tightness Test **(attach data)** 3rd-party certified test: Test method used: VacuTect Test method cert. exp. date:	—	—	—	NOT SCHEDULED FOR TESTING.
Other	—	—	—	NA

VII. EXPLANATIONS/PROBLEMS ENCOUNTERED:

Provide additional test information. Explain irregularities. Describe problems encountered and how addressed.

VIII. UST Site and System Diagram

Diagram required. Include North arrow.



Persons submitting false information are subject to formal enforcement and/or penalties under Chapter 173-360A WAC.

IX. Final Check

Mark the following:	YES	NO	N/A
1. All checked services tested per recommended practices, code and/or manufacturer's requirements, and in accordance with state regulations.	☐	☑	☐
2. Owner/operator provided with copy of the checklist and testing results.	☑	☐	☐
3. Any faulty equipment or necessary repairs explained to owner/operator or site contact.	☑	☐	☐

X. Required Signatures

10/19/2023		David Chambers
Date	Signature of Certified Service Provider	Print or Type Name
10/19/2023		Jerry Belloli
Date	Signature of Tank Owner or Authorized Representative	Print or Type Name

Tanknology

LDT 5000 Field Test Apparatus
Line Leak Detector Test

Work Order: 2362766 Date: 10/19/2023
Site Name / ID: 7-Eleven 38699 / 38699
Address: 2631 S 38th St
City: Tacoma State: WA Zip: 98409

Tank ID	T1: Regular	T2: Premium	T3: Diesel			
Product	REGULAR	PUL	Diesel			
Product Line	1	1	1			
Tested From	3	3	3			
Existing/New	Existing	Existing	Existing			
Mechanical/Electronic	Mechanical	Mechanical	Mechanical			
Manufacturer/Model	Vaporless LD-2000	Vaporless LD-2000	Vaporless LD-2000			
Serial No.	20081155	20081153	20081154			
Pump Operating Pressure (psi)	27.00	25.00	32.00			
Calibrated Leak (ml/min)	189.0	189.0	189.0			
Calibrated Leak (gph)	3.00	3.00	3.00			
Holding PSI *N/A for Electronic LD's	27.00	25.00	30.00			
Resiliency (ml) *N/A for Electronic LD's	150.00	160.00	100.00			
Metering PSI *N/A for Electronic LD's	20	20	21			
Opening Time (sec) *N/A for Electronic LD's	9	6	4			
Test Results	Pass	Pass	Pass			

Technician Comments:

Technician Name: David Chambers **Certification #:** 135637

Technician Signature: **Expire Date:** 9/7/2026

Environmental Compliance for Petroleum Systems

Tanknology

Impact Valve Inspection

Impact Valve Operational Inspection

Work Order: 2362766 Date: 10/19/2023
Site Name/ID: 7-Eleven 38699
Address: 2631 S 38th St
City: Tacoma State: WA Zip: 98409

How Inspected: Line Test ☐ NFPA 30A ☐ PEI RP1200 ☑ Other ☐

Dispenser Number	Grade	Secure Mount?	Valve Lock?	Pass/ Fail	Comments
1/2	87	☑	☑	☑ Pass ☐ Fail ☐ Not Tested	
1/2	92	☑	☑	☑ Pass ☐ Fail ☐ Not Tested	
3/4	40	☑	☑	☑ Pass ☐ Fail ☐ Not Tested	
3/4	87	☑	☑	☑ Pass ☐ Fail ☐ Not Tested	
3/4	92	☑	☑	☑ Pass ☐ Fail ☐ Not Tested	
5/6	87	☑	☑	☑ Pass ☐ Fail ☐ Not Tested	
5/6	92	☑	☑	☑ Pass ☐ Fail ☐ Not Tested	
7/8	87	☑	☑	☑ Pass ☐ Fail ☐ Not Tested	
7/8	92	☑	☑	☑ Pass ☐ Fail ☐ Not Tested	
9/10	87	☑	☑	☑ Pass ☐ Fail ☐ Not Tested	
9/10	92	☑	☑	☑ Pass ☐ Fail ☐ Not Tested	
11/12	40	☑	☑	☑ Pass ☐ Fail ☐ Not Tested	
11/12	87	☑	☑	☑ Pass ☐ Fail ☐ Not Tested	
11/12	92	☑	☑	☑ Pass ☐ Fail ☐ Not Tested	

Technician Comments:

Technician Name: David Chambers

Signature: 

Environmental Compliance for Petroleum Systems

MONITORING SYSTEM CERTIFICATION

This form is used to document testing and servicing of tank and piping leak monitoring equipment. If required by applicable law, a copy of the completed form must be provided by the Testing Contractor or owner to the governing UST agency as required by regulation.

A. General Information

Facility Name: 7-Eleven 38699 Bldg. No.:

Site Address: 2631 S 38th St City: Tacoma State: WA Zip: 98409

Facility Contact Person: Contact Phone No.: 253-310-5783

Make/Model of Monitoring System: Veeder Root TLS-350R Date of Testing/Servicing: 10/19/2023

B. Inventory of Equipment Tested/Certified Check the appropriate boxes to indicate specific equipment inspected/serviced:

Tank ID: T1: Regular - REGULAR	**Tank ID:** T2: Premium - PUL
☑ In-Tank Gauging Probe. Model: 846390-110	☑ In-Tank Gauging Probe. Model: 846390-110
☑ Annular Space or Vault Sensor. Model: 794390-409	☑ Annular Space or Vault Sensor. Model: Shared W/T3
☑ Piping Sump / Trench Sensor(s). Model: 794380-208	☑ Piping Sump / Trench Sensor(s). Model: 794380-208
☐ Fill Sump Sensor(s). Model:	☐ Fill Sump Sensor(s). Model:
☑ Mechanical Line Leak Detector. Model: Vaporless LD-2000	☑ Mechanical Line Leak Detector. Model: Vaporless LD-2000
☐ Electronic Line Leak Detector. Model:	☐ Electronic Line Leak Detector. Model:
☑ Tank Overfill / High-Level Sensor. Model: OPW -flapper	☑ Tank Overfill / High-Level Sensor. Model: OPW -flapper
☑ Other (specify equipment type and model in Section E on Page 2).	☑ Other (specify equipment type and model in Section E on Page 2).
Tank ID: T3: Diesel - Diesel	**Tank ID:**
☑ In-Tank Gauging Probe. Model: 846390-110	☐ In-Tank Gauging Probe. Model:
☑ Annular Space or Vault Sensor. Model: Not Tested.	☐ Annular Space or Vault Sensor. Model:
☑ Piping Sump / Trench Sensor(s). Model: 794380-208	☐ Piping Sump / Trench Sensor(s). Model:
☐ Fill Sump Sensor(s). Model:	☐ Fill Sump Sensor(s). Model:
☑ Mechanical Line Leak Detector. Model: Vaporless LD-2000	☐ Mechanical Line Leak Detector. Model:
☐ Electronic Line Leak Detector. Model:	☐ Electronic Line Leak Detector. Model:
☑ Tank Overfill / High-Level Sensor. Model: OPW -flapper	☐ Tank Overfill / High-Level Sensor. Model:
☑ Other (specify equipment type and model in Section E on Page 2).	☐ Other (specify equipment type and model in Section E on Page 2).
Dispenser ID: 1/2	**Dispenser ID:** 7/8
☑ Dispenser Containment Sensor(s). Model: 794380-208	☑ Dispenser Containment Sensor(s). Model: 794380-208
☑ Shear Valve(s).	☑ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s).	☐ Dispenser Containment Float(s) and Chain(s).
Dispenser ID: 3/4	**Dispenser ID:** 9/10
☑ Dispenser Containment Sensor(s). Model: 794380-208	☑ Dispenser Containment Sensor(s). Model: 794380-208
☑ Shear Valve(s).	☑ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s).	☐ Dispenser Containment Float(s) and Chain(s).
Dispenser ID: 5/6	**Dispenser ID:** 11/12
☑ Dispenser Containment Sensor(s). Model: 794380-208	☑ Dispenser Containment Sensor(s). Model: 794380-208
☑ Shear Valve(s).	☑ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s).	☐ Dispenser Containment Float(s) and Chain(s).

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility.

C. Certification - I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturers' guidelines. Attached to this Certification is a Plot Plan showing the layout of monitoring equipment. For any equipment capable of generating such reports, I have also attached a copy of the report; ***(check all that apply)*****:** ☐ **System set-up** ☑ **Alarm history report**

Technician Name (print): David Chambers Signature: 

Certification No.: C23292 License. No.:

Testing Company Name: Tanknology Phone No.: (800) 800-4633

Testing Company Address: 11000 N. MoPac Expressway Suite 500 Date of Testing/Servicing: 10/19/2023

D. Results of Testing/Servicing

Software Version Installed: 335.00

Complete the following checklist:

☑ Yes	☐ No* ☐ N/A	Is the **visual** alarm on the console operational?
☑ Yes	☐ No* ☐ N/A	Is the **audible** alarm on the console operational?
☐ Yes	☑ No	Is the external **visual** overfill alarm (light unit) present?
☐ Yes	☐ No* ☑ N/A	Is the external **visual** overfill alarm operating properly?
☐ Yes	☑ No	Is the external **audible** overfill alarm present?
☐ Yes	☐ No* ☑ N/A	Is the external **audible** overfill alarm operating properly?
%	☑ N/A	At what percent of tank(s) capacity is the external alarm programmed to trigger? *If different % between tanks, clarify in section E.*
☐ Yes	☑ No* ☐ N/A	Were all sensors visually inspected, functionally tested, and confirmed operational?
☑ Yes	☐ No* ☐ N/A	Were all sensors installed at lowest point of secondary containment and positioned so that other equipment will not interfere with their proper operation?
☐ Yes	☐ No* ☑ N/A	For pressurized piping systems, does the turbine automatically shut down if the piping secondary containment monitoring system detects a leak, fails to operate, or is electrically disconnected? If yes: which sensors initiate positive shut-down? *(Check all that apply)* ☐ Sump/Trench Sensors; ☐ Dispenser Containment Sensors. Did you confirm positive shut-down due to leaks and sensor failure/disconnection? ☐ Yes; ☐ No
☐ Yes*	☑ No	Was any monitoring equipment replaced? If yes, identify specific sensors, probes, or other equipment replaced and list the manufacturer name and model for all replacement parts in Section E, below.
☐ Yes*	☑ No	Was liquid found inside any secondary containment systems designed as dry systems? *(Check all that apply)* ☐ Product; ☐ Water. If yes, describe causes in Section E, below.
☑ Yes	☐ No*	Was monitoring system set-up reviewed to ensure proper settings? Attach set up reports, if applicable
☑ Yes	☐ No*	Is all monitoring equipment operational per manufacturer's specifications?

* In Section E below, describe how and when these deficiencies were or will be corrected.

E. Comments:

Backup Battery reading, if applicable (Required for VR TLS 300/350): Backup Battery Reading @ *3.68. Vdc.

- Were all sensors visually inspected, functionally tested, and confirmed operational? NO, Tank 2 & Tank 3 Combo Annular sensor not tested due to cover lid bolt rounded off and can't get cover off to access sensor.

- Other (specify equipment type and model in Section E on Page 2). ALL Tanks have electronic sensors inside double wall spill buckets and monitored by Veeder-Root. make of sensors are OPW single float. passed testing.

F. In-Tank Gauging / SIR Equipment:

☐ Check this box if tank gauging is used only for inventory control.
☐ Check this box if no tank gauging or SIR equipment is installed.

This section must be completed if in-tank gauging equipment is used to perform leak detection monitoring.

Complete the following checklist:

☑ Yes	☐ No*	Were all tank gauging probes visually inspected for damage and residue buildup?
☑ Yes	☐ No*	Was accuracy of system product level readings tested?
☑ Yes	☐ No*	Was accuracy of system water level readings tested?
☑ Yes	☐ No*	Were all probes reinstalled properly?
☑ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

* In the Section G, below, describe how and when these deficiencies were or will be corrected.

G. Comments:

DID OVERALL MONITOR SYSTEM TESTING PASS (Check One)? YES☐ NO ☐ INCONCLUSIVE ☑

Tanknology

Customer Name: 7-Eleven 38699 Location #: 38699 City: Tacoma State: WA Zip: 98409

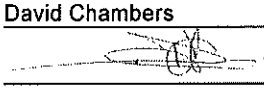
SPILL/OVERFILL CONTAINMENT BOXES

Facility is Not Equipped With Fill Riser Containment Sumps ☑	Test Date: 10/19/2023
Fill Riser Containment Sumps are Present, but were Not Tested ☐	

	Spill Box # Tank T1: RUL REGULAR - Fill 1 - Direct	Spill Box # Tank T2: PUL PUL - Fill 1 - Direct	Spill Box # Tank T3: DSL Diesel - Fill 1 - Direct
Double Wall:	Y	Y	Y
Bucket Diameter (in inches):	16.00	16.00	16.00
Bucket Depth (in inches):	12.50	12.25	12.00
Test Method Developed By:	Industry Standard-PEI RP 1200	Industry Standard-PEI RP 1200	Industry Standard-PEI RP 1200
Test Method Used By:	Vacuum on interstice	Vacuum on interstice	Vacuum on interstice
Test Equipment Used:	VACUUM TEST	VACUUM TEST	VACUUM TEST
Equipment Resolution:	0.1 gph	0.1 gph	0.1 gph
Wait time between applying pressure/vacuum/water and starting test	1 min	1 min	1 min
Test Start Time:	09:31:00	08:47:00	08:44:00
Initial Reading (R_I):	30.00 in. H20	30.00 in. H20	30.00 in. H20
Test End Time:	09:32:00	08:48:00	08:45:00
Final Reading (R_F):	30.00 in. H20	30.00 in. H20	30.00 in. H20
Test Duration:	1 min	1 min	1 min
Change in Reading (R_F -R_I):	0.00 in. H20	0.00 in. H20	0.00 in. H20
Pass/Fail Threshold or Criteria:	+/- -4.00	+/- -4.00	+/- -4.00
Test Result:	Pass	Pass	Pass

Comments — *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

Technician Name: David Chambers Test Date: 10/19/2023

Technician Signature:  Certification #: 135640

WO: 2362766

Appendix B

71SO Overfill Valve in Tank Shut off Level Worksheet

Important: This is meant to be supplemental worksheet and not a substitute to following the installation manual instructions. All length measurements are in inches. Please contact the Authority Having Jurisdiction (AHJ) and review local, state, and national codes to determine the regulatory requirements governing shut-off capacity in your region, as well as take into account other considerations such as extreme tank tilt.

Tank ID: T1: Regular(REGULAR)

Take the following measurements with the valve installed in the tank:

Distance from the 71SO inlet tube flange to the cast lug in the 71SO body (see figures), upper tube length. Note: the Upper Tube Length must be at least 16" to include the protective bend in the tube.

(D) = 64.25

Distance from the 71SO inlet tube flange to the top and bottom of lower tube, valve length.
(W) = 163.125
(U) = 160.375

Distance from the 71SO inlet tube flange to the bottom of the tank. Note: If a tank bottom protector is present it may be necessary to add this thickness to dimension (OPW 6111 & 61TP models add 0.6")
(B) = 165.50

From the tank calibration chart provided by tank manufacturer find the dipstick number (Y) which corresponds to the 100% volume.
(Y) = 119.375

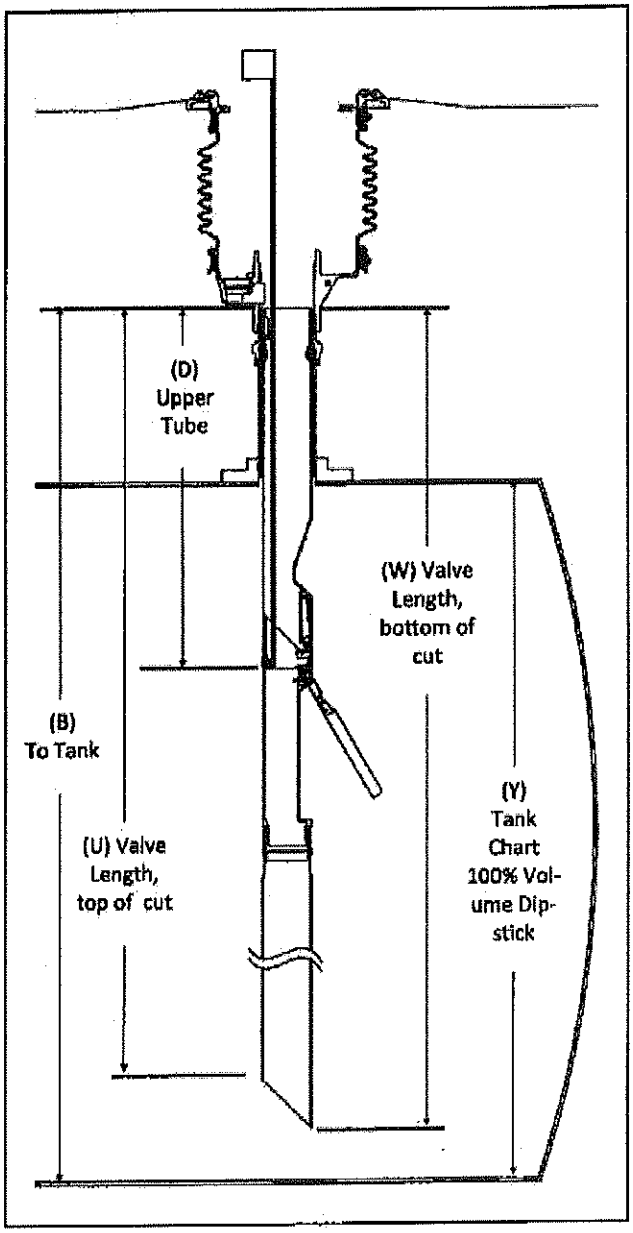
1. To determine shut-off percentage:
Subtract upper tube length (D) from distance to tank bottom (B)
(X) = (B) – (D) - 2" = 99.25

Using the tank calibration chart provided by the tank manufacturer determine the tank capacity at the calculated (X) dimension and the 100% volume (Y) tank capacity.

(X) tank capacity in gallons = 17780

(Y) tank capacity in gallons = 19930

SO% = (X) capacity / (Y) capacity x100 = 89.21



Note: The overfill valve must be installed per AHJ requirements and all applicable local, state, and national codes. If the overfill valve is set above the allowable shut-off percentage the overfill valve must be removed and replaced. For reference 40 CFR part 280 Subpart B Section 280.20 overfill valves should be set to a maximum of 95%.

Appendix B

71SO Overfill Valve in Tank Shut off Level Worksheet

Important: This is meant to be supplemental worksheet and not a substitute to following the installation manual instructions. All length measurements are in inches. Please contact the Authority Having Jurisdiction (AHJ) and review local, state, and national codes to determine the regulatory requirements governing shut-off capacity in your region, as well as take into account other considerations such as extreme tank tilt.

Tank ID: T2: Premium(PUL)

Take the following measurements with the valve installed in the tank:

Distance from the 71SO inlet tube flange to the cast lug in the 71SO body (see figures), upper tube length. Note: the Upper Tube Length must be at least 16" to include the protective bend in the tube.

(D) = 65.875

Distance from the 71SO inlet tube flange to the top and bottom of lower tube, valve length.
(W) = 165.125
(U) = 162.50

Distance from the 71SO inlet tube flange to the bottom of the tank. Note: If a tank bottom protector is present it may be necessary to add this thickness to dimension (OPW 6111 & 61TP models add 0.6")
(B) = 168.25

From the tank calibration chart provided by tank manufacturer find the dipstick number (Y) which corresponds to the 100% volume.
(Y) = 119.375

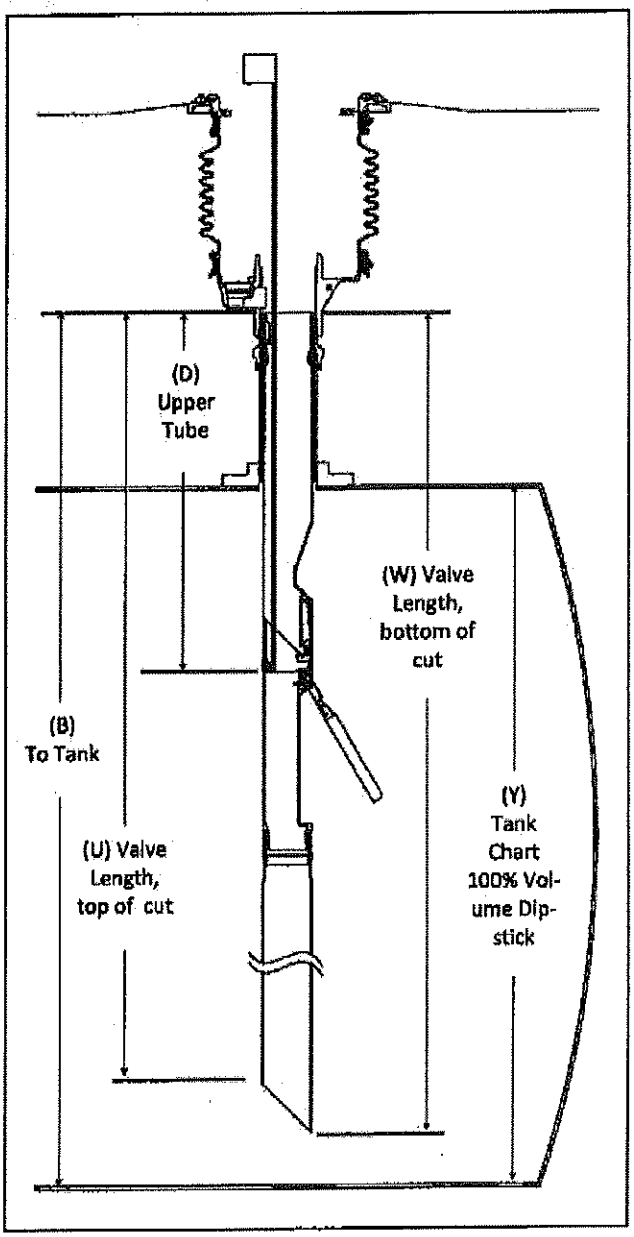
1. To determine shut-off percentage:
Subtract upper tube length (D) from distance to tank bottom (B)
(X) = (B) – (D) - 2" = 100.375

Using the tank calibration chart provided by the tank manufacturer determine the tank capacity at the calculated (X) dimension and the 100% volume (Y) tank capacity.

(X) tank capacity in gallons = 7216

(Y) tank capacity in gallons = 8039

SO% = (X) capacity / (Y) capacity x100 = 89.76



Note: The overfill valve must be installed per AHJ requirements and all applicable local, state, and national codes. If the overfill valve is set above the allowable shut-off percentage the overfill valve must be removed and replaced. For reference 40 CFR part 280 Subpart B Section 280.20 overfill valves should be set to a maximum of 95%.

Appendix B

7150 Overfill Valve in Tank Shut off Level Worksheet

Important: This is meant to be supplemental worksheet and not a substitute to following the installation manual instructions. All length measurements are in inches. Please contact the Authority Having Jurisdiction (AHJ) and review local, state, and national codes to determine the regulatory requirements governing shut-off capacity in your region, as well as take into account other considerations such as extreme tank tilt.

Tank ID: T3: Diesel(Diesel)

Take the following measurements with the valve installed in the tank:

Distance from the 7150 inlet tube flange to the cast lug in the 7150 body (see figures), upper tube length. Note: the Upper Tube Length must be at least 16" to include the protective bend in the tube.

(D) = 70.25

Distance from the 7150 inlet tube flange to the top and bottom of lower tube, valve length.
(W) = _____
(U) = _____

Distance from the 7150 inlet tube flange to the bottom of the tank. Note: If a tank bottom protector is present it may be necessary to add this thickness to dimension (OPW 6111 & 61TP models add 0.6")
(B) = 172.25

From the tank calibration chart provided by tank manufacturer find the dipstick number (Y) which corresponds to the 100% volume.
(Y) = 119.375

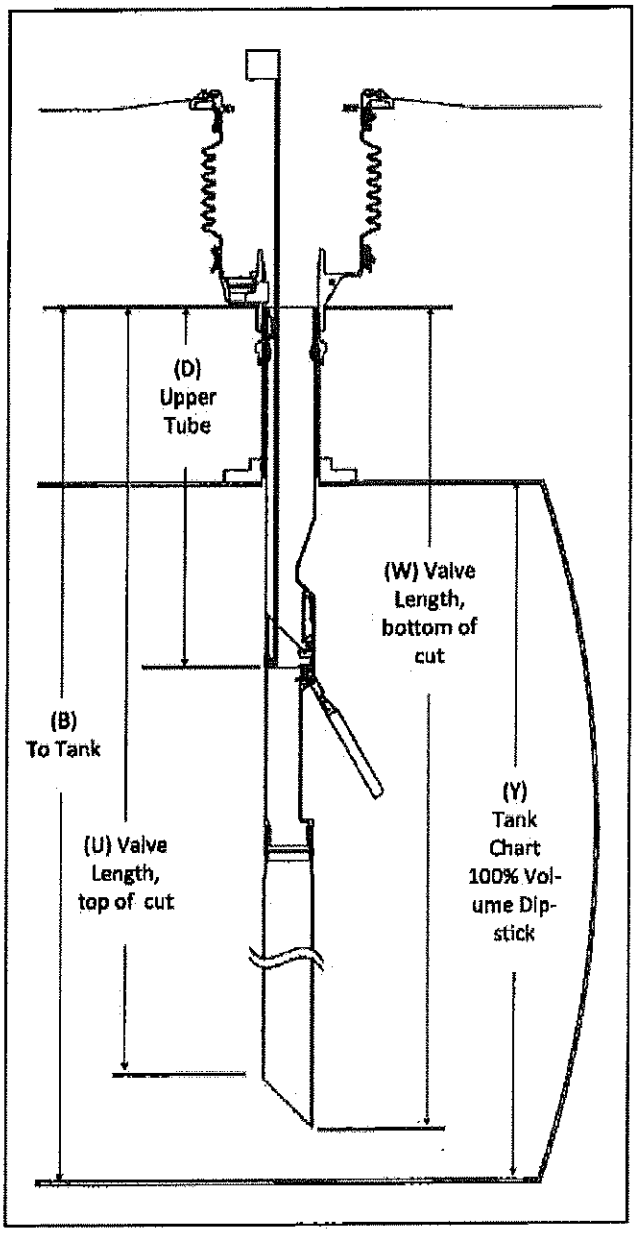
1. To determine shut-off percentage:
Subtract upper tube length (D) from distance to tank bottom (B)
(X) = (B) – (D) - 2" = 100.00

Using the tank calibration chart provided by the tank manufacturer determine the tank capacity at the calculated (X) dimension and the 100% volume (Y) tank capacity.

(X) tank capacity in gallons = 10710

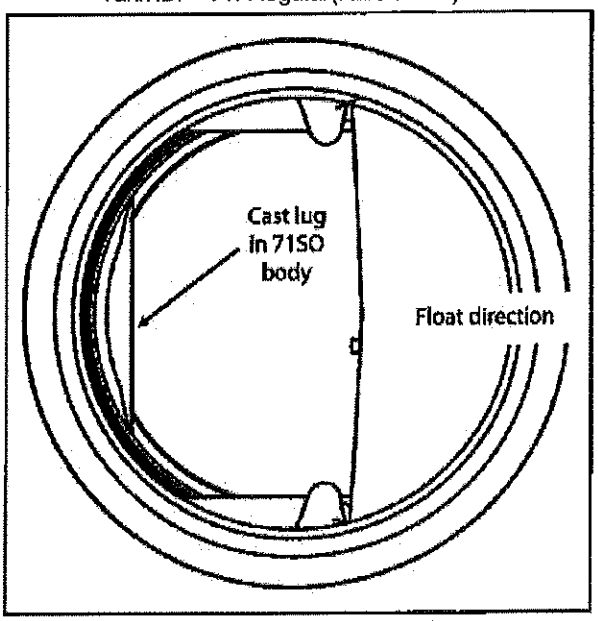
(Y) tank capacity in gallons = 11897

50% = (X) capacity / (Y) capacity x100 = 90.02



Note: The overfill valve must be installed per AHJ requirements and all applicable local, state, and national codes. If the overfill valve is set above the allowable shut-off percentage the overfill valve must be removed and replaced. For reference 40 CFR part 280 Subpart B Section 280.20 overfill valves should be set to a maximum of 95%.

Tank ID: T1: Regular(REGULAR)



View into drop tube from above

2. To determine lower tube distance from tank bottom to bottom of cut:

Subtract valve length (W) from distance to tank bottom (B)
(V) = (B) – (W) = 2.375

Note: Lower tube clearance must meet tank manufacturer requirements and all AHJ, local, state, and national codes. Typical clearance is about 4". If lower tube clearance is not met valve must be removed and adjusted to meet these requirements.

3. To determine lower tube distance from tank bottom to top of cut:

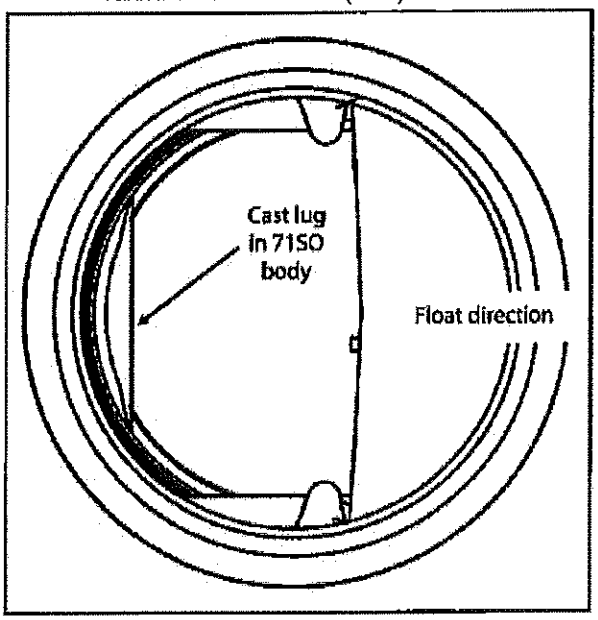
Subtract valve length (U) from distance to tank bottom (B)
(T) = (B) – (U) = 5.125

Note: Lower tube distance from tank bottom to top of cut must meet all AHJ, local, state, and national codes. For reference per 40 CFR 63 subpart CCCCCC / NESHAP the lower tube can be no more than 6" from the bottom of the tank. If lower tube distance is not met valve must be removed and adjusted to meet these requirements.

4. To determine float alignment:

Looking into upper tube (see figure) the float should be aligned along the length of the tank. If float is not aligned properly adjustments need to be made.

Tank ID: T2: Premium(PUL)



View into drop tube from above

2. To determine lower tube distance from tank bottom to bottom of cut:

Subtract valve length (W) from distance to tank bottom (B)
(V) = (B) – (W) = 3.125

Note: Lower tube clearance must meet tank manufacturer requirements and all AHJ, local, state, and national codes. Typical clearance is about 4". If lower tube clearance is not met valve must be removed and adjusted to meet these requirements.

3. To determine lower tube distance from tank bottom to top of cut:

Subtract valve length (U) from distance to tank bottom (B)
(T) = (B) – (U) = 5.75

Note: Lower tube distance from tank bottom to top of cut must meet all AHJ, local, state, and national codes. For reference per 40 CFR 63 subpart CCCCCC / NESHAP the lower tube can be no more than 6" from the bottom of the tank. If lower tube distance is not met valve must be removed and adjusted to meet these requirements.

4. To determine float alignment:

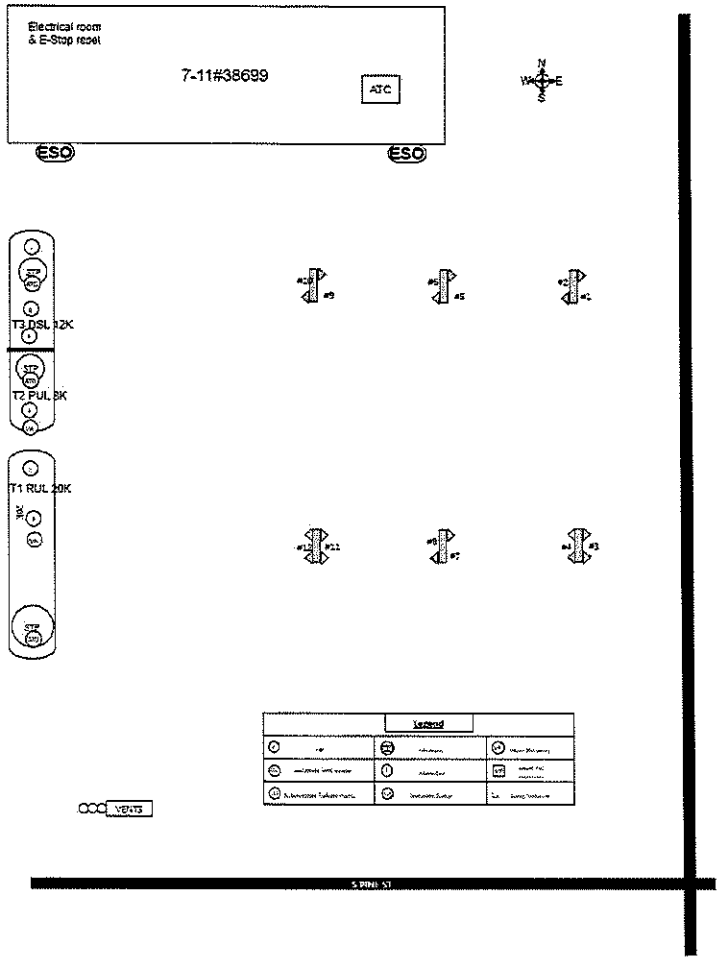
Looking into upper tube (see figure) the float should be aligned along the length of the tank. If float is not aligned properly adjustments need to be made.

Tanknology

Site Diagram

(This site diagram is for reference only and is not drawn to scale)

Work Order: 2362766
Site ID / Name: 38699 / 7-Eleven 38699
Address: 2631 S 38th St
City: Tacoma State: WA Zip: 98409



203096 7-11 38699
2631 S 38TH ST
TACOMA WA 98409
U11268752605001

OCT 19, 2023 8:20 AM

SYSTEM STATUS REPORT

ALL FUNCTIONS NORMAL

INVENTORY REPORT

T 1:RUL
VOLUME = 12158 GALS
ULLAGE = 7772 GALS
90% ULLAGE= 5779 GALS
TC VOLUME = 12128 GALS
HEIGHT = 69.78 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 63.6 DEG F

T 2:PUL
VOLUME = 2309 GALS
ULLAGE = 5730 GALS
90% ULLAGE= 4926 GALS
TC VOLUME = 2302 GALS
HEIGHT = 39.11 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 64.2 DEG F

T 3:DSL
VOLUME = 3176 GALS
ULLAGE = 8721 GALS
90% ULLAGE= 7531 GALS
TC VOLUME = 3168 GALS
HEIGHT = 37.64 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 65.4 DEG F

* * * * * END * * * * *

203096 7-11 38699
2631 S 38TH ST
TACOMA WA 98409
U11268752605001

OCT 19, 2023 8:21 AM

LIQUID STATUS

OCT 19, 2023 8:21 AM

L 1:DISP 1-2
SENSOR NORMAL

L 2:DISP 3-4
SENSOR NORMAL

L 3:DISP 5-6
SENSOR NORMAL

L 4:DISP 7-8
SENSOR NORMAL

L 5:DISP 9-10
SENSOR NORMAL

L 6:DISP 11-12
SENSOR NORMAL

L 7:RUL STP SUMP
SENSOR NORMAL

L 8:PUL STP SUMP
SENSOR NORMAL

L 9:DSL STP SUMP
SENSOR NORMAL

L10:RUL ANNULAR
SENSOR NORMAL

L11:DSL-PUL ANNULAR
SENSOR NORMAL

L12:DSL FILL
SENSOR NORMAL

L13:PUL FILL
SENSOR NORMAL

L14:RUL FILL
SENSOR NORMAL

* * * * * END * * * * *

203096 7-11 38699
2631 S 38TH ST
TACOMA WA 98409
U11268752605001

OCT 19, 2023 1:08 PM

SYSTEM STATUS REPORT

ALL FUNCTIONS NORMAL

INVENTORY REPORT

T 1:RUL
VOLUME = 12154 GALS
ULLAGE = 7776 GALS
90% ULLAGE= 5783 GALS
TC VOLUME = 12122 GALS
HEIGHT = 69.76 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 63.7 DEG F

T 2:PUL
VOLUME = 2255 GALS
ULLAGE = 5784 GALS
90% ULLAGE= 4980 GALS
TC VOLUME = 2249 GALS
HEIGHT = 38.44 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 63.8 DEG F

T 3:DSL
VOLUME = 3176 GALS
ULLAGE = 8721 GALS
90% ULLAGE= 7531 GALS
TC VOLUME = 3167 GALS
HEIGHT = 37.64 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 65.4 DEG F

* * * * * END * * * * *

SOFTWARE REVISION LEVEL
VERSION 335.00
SOFTWARE# 346335-100-A
CREATED - 18,08,27,10,22

S-MODULE# 330160-100-a
SYSTEM FEATURES:
PERIODIC IN-TANK TESTS
ANNUAL IN-TANK TESTS
BIR

203096 7-11 38699
2631 S 38TH ST
TACOMA WA 98409
U11268752605001

OCT 19, 2023 1:08 PM

LIQUID STATUS

OCT 19, 2023 1:08 PM

L 1:DISP 1-2
SENSOR NORMAL

L 2:DISP 3-4
SENSOR NORMAL

L 3:DISP 5-6
SENSOR NORMAL

L 4:DISP 7-8
SENSOR NORMAL

L 5:DISP 9-10
SENSOR NORMAL

L 6:DISP 11-12
SENSOR NORMAL

L 7:RUL STP SUMP
SENSOR NORMAL

L 8:PUL STP SUMP
SENSOR NORMAL

L 9:DSL STP SUMP
SENSOR NORMAL

L10:RUL ANNULAR
SENSOR NORMAL

L11:DSL-PUL ANNULAR
SENSOR NORMAL

L12:DSL FILL
SENSOR NORMAL

L13:PUL FILL
SENSOR NORMAL

L14:RUL FILL
SENSOR NORMAL

IN-TANK SETUP

T 1:RUL
PRODUCT CODE : 1
THERMAL COEFF : .000690
TANK DIAMETER : 119.38
TANK PROFILE : 4 PTS
FULL VOL : 19930
89.5 INCH VOL : 16112
59.7 INCH VOL : 10003
29.8 INCH VOL : 3866
METER DATA : YES
END FACTOR: HEMISPHER
CAL UPDATE: NEVER

FLOAT SIZE: 4.0 IN.
WATER MINIMUM : 0.000

WATER WARNING : 0.8
HIGH WATER LIMIT: 1.0
WATER ALARM FILTER: LOW

MAX OR LABEL
VOLUME : 19930

HIGH PRODUCT
% MAX : 95.0
(GALLONS) : 18934

OVERFILL LIMIT
% MAX : 90.0
(GALLONS) : 17937

DELIVERY LIMIT
% MAX : 15.0
(GALLONS) : 2990

LOW PRODUCT
VOLUME : 801

LEAK ALARM LIMIT: 15
SUDDEN LOSS LIMIT: 99
TANK TILT : 0.00
PROBE OFFSET : 0.00

SIPHON MANIFOLDED TANKS
T#: NONE
LINE MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 25%
: 4982

LEAK MIN ANNUAL : 50%
: 9965

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 5 MIN
PUMP THRESHOLD : 10.00%

T 2:PUL
PRODUCT CODE : 3
THERMAL COEFF : .000690
TANK DIAMETER : 119.38
TANK PROFILE : 4 PTS
FULL VOL : 8039
89.5 INCH VOL : 7096
59.7 INCH VOL : 4035
29.8 INCH VOL : 1590
METER DATA : YES
END FACTOR: HEMISPHER
CAL UPDATE: NEVER

FLOAT SIZE: 4.0 IN.
WATER MINIMUM : 0.000

WATER WARNING : 0.8
HIGH WATER LIMIT: 1.0
WATER ALARM FILTER: LOW

MAX OR LABEL
VOLUME : 8039

HIGH PRODUCT
% MAX : 95.0
(GALLONS) : 7637

OVERFILL LIMIT
% MAX : 90.0
(GALLONS) : 7235

DELIVERY LIMIT
% MAX : 15.0
(GALLONS) : 1206

LOW PRODUCT
VOLUME : 339

LEAK ALARM LIMIT: 15
SUDDEN LOSS LIMIT: 99
TANK TILT : 0.00
PROBE OFFSET : 0.00

SIPHON MANIFOLDED TANKS
T#: NONE
LINE MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 25%
: 2009

LEAK MIN ANNUAL : 50%
: 4019

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 5 MIN
PUMP THRESHOLD : 10.00%

T 3:DSL
PRODUCT CODE : 4
THERMAL COEFF : .000450
TANK DIAMETER : 119.38
TANK PROFILE : 4 PTS
FULL VOL : 11897
89.5 INCH VOL : 9648
59.7 INCH VOL : 5971
29.8 INCH VOL : 2280
METER DATA : YES
END FACTOR: HEMISPHER
CAL UPDATE: NEVER

FLOAT SIZE: 4.0 IN.
WATER MINIMUM : 0.000

WATER WARNING : 0.8
HIGH WATER LIMIT: 1.0
WATER ALARM FILTER: LOW

MAX OR LABEL
VOLUME : 11897

HIGH PRODUCT
% MAX : 95.0
(GALLONS) : 11302

OVERFILL LIMIT
% MAX : 90.0
(GALLONS) : 10707

DELIVERY LIMIT
% MAX : 15.0
(GALLONS) : 1785

LOW PRODUCT
VOLUME : 462

LEAK ALARM LIMIT: 15
SUDDEN LOSS LIMIT: 99
TANK TILT : 0.00
PROBE OFFSET : 0.00

SIPHON MANIFOLDED TANKS
T#: NONE
LINE MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 25%
: 2974

LEAK MIN ANNUAL : 50%
: 5948

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 5 MIN
PUMP THRESHOLD : 10.00%

ALARM HISTORY REPORT

---- IN-TANK ALARM ----

T 1:RUL

SETUP DATA WARNING
NOV 12, 2020 1:37 PM

HIGH WATER ALARM
OCT 19, 2023 9:46 AM
NOV 2, 2022 4:47 AM
NOV 10, 2021 1:22 PM

OVERFILL ALARM
OCT 19, 2023 9:47 AM
NOV 2, 2022 5:10 AM
NOV 10, 2021 1:24 PM

LOW PRODUCT ALARM
OCT 19, 2023 9:43 AM
NOV 2, 2022 4:43 AM
NOV 30, 2020 10:18 AM

HIGH PRODUCT ALARM
OCT 19, 2023 9:50 AM
NOV 2, 2022 5:10 AM
NOV 10, 2021 1:33 PM

INVALID FUEL LEVEL
OCT 19, 2023 9:43 AM

PROBE OUT
NOV 17, 2020 10:40 AM
NOV 12, 2020 10:33 AM

HIGH WATER WARNING
OCT 19, 2023 9:46 AM
NOV 2, 2022 4:47 AM
NOV 10, 2021 1:22 PM

DELIVERY NEEDED
OCT 19, 2023 9:43 AM
JUN 9, 2023 4:10 AM
NOV 2, 2022 4:43 AM

MAX PRODUCT ALARM
NOV 10, 2021 1:33 PM
NOV 30, 2020 11:46 AM

LOW TEMP WARNING
OCT 19, 2023 9:52 AM
NOV 2, 2022 5:13 AM
NOV 10, 2021 1:46 PM

ALARM HISTORY REPORT

---- IN-TANK ALARM ----

T 2:PUL

SETUP DATA WARNING
NOV 12, 2020 1:37 PM

HIGH WATER ALARM
OCT 19, 2023 8:43 AM
NOV 2, 2022 4:55 AM
NOV 10, 2021 1:24 PM

OVERFILL ALARM
OCT 19, 2023 8:46 AM
NOV 2, 2022 5:08 AM
JAN 12, 2022 4:41 AM

LOW PRODUCT ALARM
OCT 19, 2023 9:00 AM
OCT 19, 2023 8:40 AM
NOV 2, 2022 4:50 AM

HIGH PRODUCT ALARM
OCT 19, 2023 8:46 AM
NOV 2, 2022 5:08 AM
NOV 10, 2021 1:25 PM

INVALID FUEL LEVEL
OCT 19, 2023 8:41 AM

PROBE OUT
NOV 17, 2020 10:30 AM
NOV 12, 2020 10:33 AM

HIGH WATER WARNING
OCT 19, 2023 8:43 AM
NOV 2, 2022 4:53 AM
NOV 10, 2021 1:24 PM

DELIVERY NEEDED
OCT 19, 2023 9:00 AM
OCT 19, 2023 8:39 AM
OCT 9, 2023 4:06 PM

MAX PRODUCT ALARM
OCT 19, 2023 8:50 AM
NOV 2, 2022 5:10 AM
NOV 10, 2021 1:33 PM

LOW TEMP WARNING
NOV 10, 2021 1:44 PM
NOV 30, 2020 2:09 PM

ALARM HISTORY REPORT

---- IN-TANK ALARM ----

T 3:DSL

SETUP DATA WARNING
NOV 12, 2020 1:37 PM

HIGH WATER ALARM
OCT 19, 2023 8:42 AM
NOV 2, 2022 4:56 AM
NOV 10, 2021 1:27 PM

OVERFILL ALARM
OCT 19, 2023 8:46 AM
NOV 2, 2022 5:10 AM
NOV 10, 2021 1:26 PM

LOW PRODUCT ALARM
OCT 19, 2023 8:39 AM
NOV 2, 2022 4:52 AM
NOV 30, 2020 10:14 AM

HIGH PRODUCT ALARM
OCT 19, 2023 8:46 AM
NOV 2, 2022 5:10 AM
NOV 10, 2021 1:33 PM

INVALID FUEL LEVEL
NOV 2, 2022 4:52 AM
NOV 30, 2020 10:14 AM
NOV 12, 2020 1:35 PM

PROBE OUT
NOV 17, 2020 9:50 AM
NOV 12, 2020 10:33 AM

HIGH WATER WARNING
OCT 19, 2023 8:42 AM
NOV 2, 2022 4:56 AM
JAN 12, 2022 5:10 AM

DELIVERY NEEDED
OCT 19, 2023 8:38 AM
OCT 6, 2023 2:37 PM
SEP 30, 2023 1:43 AM

MAX PRODUCT ALARM
NOV 10, 2021 1:33 PM
NOV 30, 2020 11:47 AM

LOW TEMP WARNING
OCT 19, 2023 8:56 AM
NOV 2, 2022 5:20 AM

ALARM HISTORY REPORT

----- SENSOR ALARM ---
L13:PUL FILL
OTHER SENSORS
FUEL ALARM
OCT 19, 2023 8:55 AM

FUEL ALARM
NOV 2, 2022 5:13 AM

FUEL ALARM
NOV 10, 2021 12:47 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM ----
L14:RUL FILL
OTHER SENSORS
FUEL ALARM
OCT 19, 2023 9:34 AM

FUEL ALARM
NOV 2, 2022 5:07 AM

FUEL ALARM
NOV 10, 2021 12:46 PM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 1:DISP 1-2
DISPENSER PAN
FUEL ALARM
OCT 19, 2023 9:50 AM

FUEL ALARM
NOV 2, 2022 5:01 AM

FUEL ALARM
NOV 10, 2021 12:24 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 4:DISP 7-8
DISPENSER PAN
FUEL ALARM
OCT 19, 2023 9:49 AM

FUEL ALARM
NOV 2, 2022 4:59 AM

FUEL ALARM
NOV 10, 2021 12:26 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 7:RUL STP SUMP
STP SUMP
FUEL ALARM
OCT 19, 2023 9:42 AM

FUEL ALARM
NOV 2, 2022 4:42 AM

FUEL ALARM
NOV 10, 2021 12:29 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L10:RUL ANNULAR
ANNULAR SPACE
FUEL ALARM
OCT 19, 2023 9:58 AM

FUEL ALARM
NOV 2, 2022 7:34 AM

FUEL ALARM
NOV 10, 2021 12:59 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 2:DISP 3-4
DISPENSER PAN
FUEL ALARM
OCT 19, 2023 9:49 AM

FUEL ALARM
NOV 2, 2022 5:01 AM

FUEL ALARM
NOV 10, 2021 12:25 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 5:DISP 9-10
DISPENSER PAN
FUEL ALARM
OCT 19, 2023 9:57 AM

FUEL ALARM
NOV 2, 2022 4:58 AM

FUEL ALARM
NOV 10, 2021 12:26 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 8:PUL STP SUMP
STP SUMP
FUEL ALARM
OCT 19, 2023 8:39 AM

FUEL ALARM
NOV 2, 2022 4:49 AM

FUEL ALARM
NOV 10, 2021 12:29 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L11:DSL-PUL ANNULAR
ANNULAR SPACE
FUEL ALARM
NOV 2, 2022 6:53 AM

FUEL ALARM
NOV 10, 2021 12:55 PM

FUEL ALARM
NOV 30, 2020 1:27 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 3:DISP 5-6
DISPENSER PAN
FUEL ALARM
OCT 19, 2023 9:48 AM

FUEL ALARM
NOV 2, 2022 5:00 AM

FUEL ALARM
NOV 10, 2021 12:25 PM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 6:DISP 11-12
DISPENSER PAN
FUEL ALARM
OCT 19, 2023 9:47 AM

FUEL ALARM
NOV 2, 2022 4:59 AM

FUEL ALARM
JAN 2, 2022 1:26 PM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 9:DSL STP SUMP
STP SUMP
FUEL ALARM
OCT 19, 2023 8:38 AM

FUEL ALARM
NOV 2, 2022 4:51 AM

FUEL ALARM
NOV 10, 2021 12:30 PM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L12:DSL FILL
OTHER SENSORS
FUEL ALARM
OCT 19, 2023 8:54 AM

FUEL ALARM
NOV 2, 2022 5:17 AM

FUEL ALARM
NOV 10, 2021 12:48 PM