



THE OSCAR W. LARSON COMPANY

CORPORATE OFFICE: 10100 DIXIE HIGHWAY, CLARKSTON, MI 48348

PH: (248) 620-0070 • FAX: (248) 620-0072



Call Number: 220328-0156

APPENDIX C-5

UST OVERFILL EQUIPMENT INSPECTION AUTOMATIC SHUTOFF DEVICE AND BALL FLOAT VALVE

Facility Name: RITA'S CONVENIENCE MARATHON	Owner:	
Address: 206 N. Benton Street	Address:	
City, State, Zip Code: Millersburg, IN, 46543-9310	City, State, Zip Code:	
Facility I.D. #:	Phone #:	
Testing Company: Oscar W. Larson	Phone #:	Date: 10/7/2022

This data sheet is for inspecting automatic shutoff devices and ball float valves. See PEI/RP1200, Section 7 for inspection procedures.

Product Grade	Premium Unlead	Kerosene				
Tank Number	2	4				
Tank Volume, gallons	6,380	2,376				
Tank Diameter, inches	119 3/8"	71 1/4"				
Overfill Prevention Device Brand	OPW	OPW				
Type	☒ Automatic Shutoff Device ☐ Ball Float Valve	☒ Automatic Shutoff Device ☐ Ball Float Valve	☐ Automatic Shutoff Device ☐ Ball Float Valve	☐ Automatic Shutoff Device ☐ Ball Float Valve	☐ Automatic Shutoff Device ☐ Ball Float Valve	☐ Automatic Shutoff Device ☐ Ball Float Valve

AUTOMATIC SHUTOFF DEVICE INSPECTION

1. Drop tube removed from tank?	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
2. Drop tube and float mechanisms are free of debris?	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
3. Float moves freely without binding and poppet moves into flow path?	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
4. Bypass valve in the drop tube is open and free of blockage (if present)?	☒ Yes ☐ No ☐ Not Present	☒ Yes ☐ No ☐ Not Present	☐ Yes ☐ No ☐ Not Present	☐ Yes ☐ No ☐ Not Present	☐ Yes ☐ No ☐ Not Present	☐ Yes ☐ No ☐ Not Present
5. Flapper is adjusted to shut off flow at 95% capacity?*	☒ Yes ☐ No	☐ Yes ☒ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No

A "No" to any item in Lines 1-5 indicates a test failure.

BALL FLOAT VALVE INSPECTION

1. Tank top fittings are vapor-tight and leak-free?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
2. Ball float cage free of debris?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
3. Ball is free of holes and cracks and moves freely in cage?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
4. Vent hole in pipe is open and near top of tank?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
5. Ball float pipe is proper length to restrict flow at 90% capacity?**	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No

A "No" to any item in Lines 1-5 indicates a test failure.

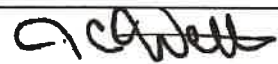
Test Results	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail
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* Use manufacturer's suggested procedure for determining if automatic shutoff device will shut off flow at 95% capacity.

** Use manufacturer's suggested procedure for determining if flow restriction device will restrict flow at 90% capacity.

Comments: set pul drop tube to 95% shutoff since no ball/cage. set k1 drop tube to 90% shutoff since could not remove ball/cage

Tester's Name Joshua Wetli

Tester's Signature 



Overfill Prevention Equipment Inspection
OPW 61 and OPW 71 Series Overfill Prevention Device Inspection

Service Call#: 220328-0156
Date: 10/7/2022
Customer Name: Rita's Convenience
Location #: RITA'S CONVENIENCE MARATHON
Location Address: 206 N. Benton Street
Drop Tube Model #: 71SO-4010

PART 1) Proper height setting calculation

Maximum tank volume per
Max shutoff requirement for flapper is 90%
Multiply maximum tank volume by 90%
Use tank chart or ATG to determine height of calculated volume
Measure from tank top to fill riser threads, or face seal adapter
Tank Diameter
Upper tube in tank (G) $F-D=G$
Subtract 2 inches from upper tube in tank $G-2=H$
Calculate minimum upper tube length (I) $H+E=I$
Actual measured upper tube length (without fill adapter) (J)

	Kerosene			
A gallons	2376			
B 90%	0.90	0.90	0.90	0.90
C gallons	2138.4	0	0	0
D inches	59			
E inches	22.875			
F inches	71.25			
G inches	12.25	0	0	0
H inches	10.25	-2	-2	-2
I inches	33.125	-2	-2	-2
J inches	33.125			

Part 2) Device certification criteria evaluation

Criteria 1	Does the overfill prevention device meet the 90% requirement?	Yes			
Criteria 2	Is the actual measured upper tube length equal 6.5" or more than the fill riser? (J must be 6.5" or more than E)	Yes			
Criteria 3	Does the overfill prevention device function as required? (inspect the device for damage, contamination, freedom of movement, weakening due to wear and corrosion)	Yes			

Part 3) Device certification Pass / Fail

Technician certifies that the device is operationally compliant.
If the response to Criteria 1, 2, and 3 above are yes

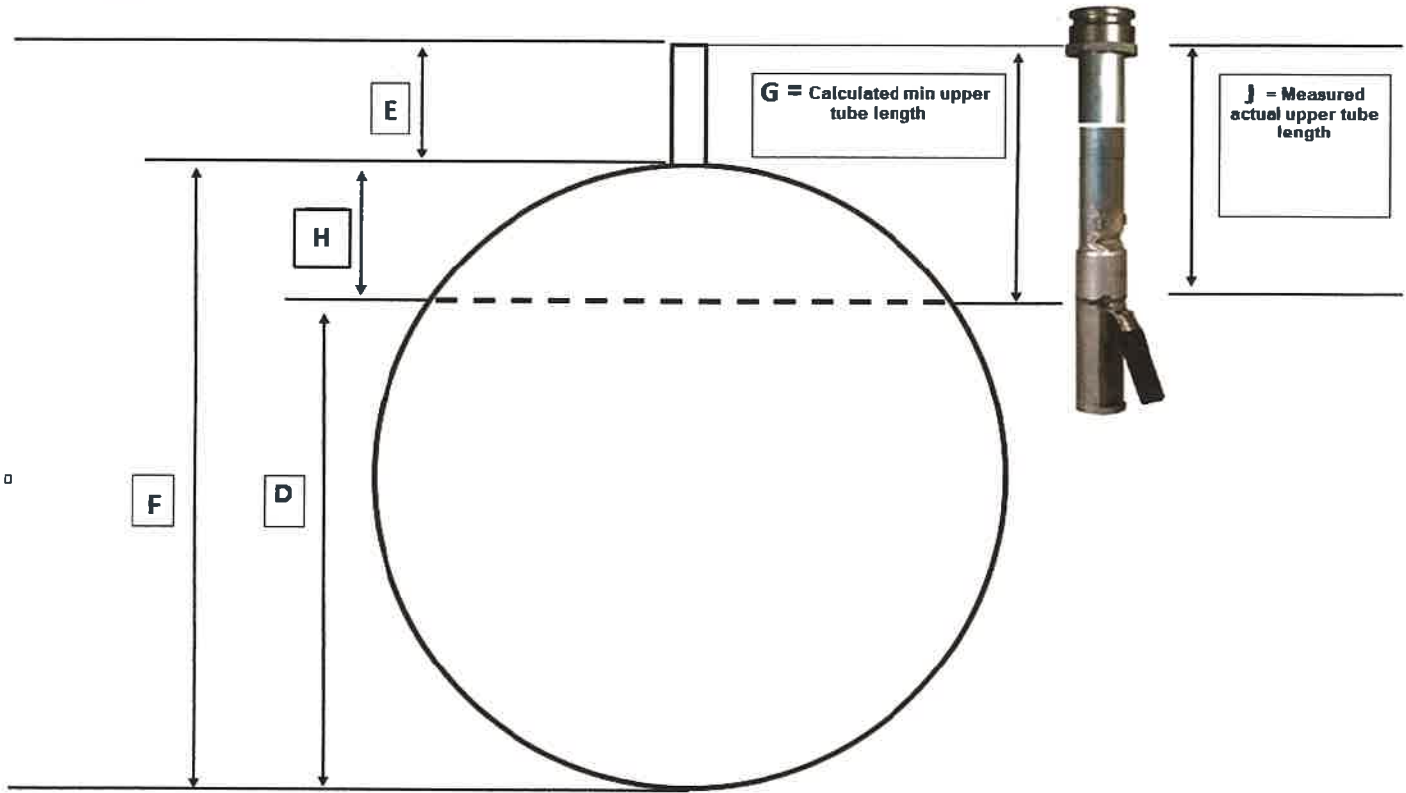
Pass			
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Comments:
set new drop tube to 90% shutoff since could not remove ball/cage

Service Technician: 

Date: 10/7/2022

Overfill Prevention Equipment Inspection
OPW 61 and 71 Series Overfill Prevention Device Inspection





Overfill Prevention Equipment Inspection
OPW 61 and OPW 71 Series Overfill Prevention Device Inspection

Service Call#: 220328-0156
Date: 10/7/2022
Customer Name: Rita's Convenience
Location #: RITA'S CONVENIENCE MARATHON
Location Address: 206 N. Benton Street
Drop Tube Model #: 71SO-410C

PART 1) Proper height setting calculation

Maximum tank volume per
Max shutoff requirement for flapper is 95%
Multiply maximum tank volume by 95%
Use tank chart or ATG to determine height of calculated volume
Measure from tank top to fill riser threads, or face seal adapter
Tank Diameter
Upper tube in tank (G) $F-D=G$
Subtract 2 inches from upper tube in tank $G-2=H$
Calculate minimum upper tube length (I) $H+E=I$
Actual measured upper tube length (without fill adapter) (J)

A gallons
B 95%
C gallons
D inches
E inches
F inches
G inches
H inches
I inches
J inches

Premium			
6380			
0.95	0.95	0.95	0.95
6061	0	0	0
107.625			
23.5			
119.375			
11.75	0	0	0
9.75	-2	-2	-2
33.25	-2	-2	-2
33.25			

Part 2) Device certification criteria evaluation

Criteria 1	Does the overfill prevention device meet the 95% requirement?	Yes			
Criteria 2	Is the actual measured upper tube length equal 6.5" or more than the fill riser? (J must be 6.5" or more than E)	Yes			
Criteria 3	Does the overfill prevention device function as required? (inspect the device for damage, contamination, freedom of movement, weakening due to wear and corrosion)	Yes			

Part 3) Device certification Pass / Fail

Technician certifies that the device is operationally compliant.
If the response to Criteria 1, 2, and 3 above are yes

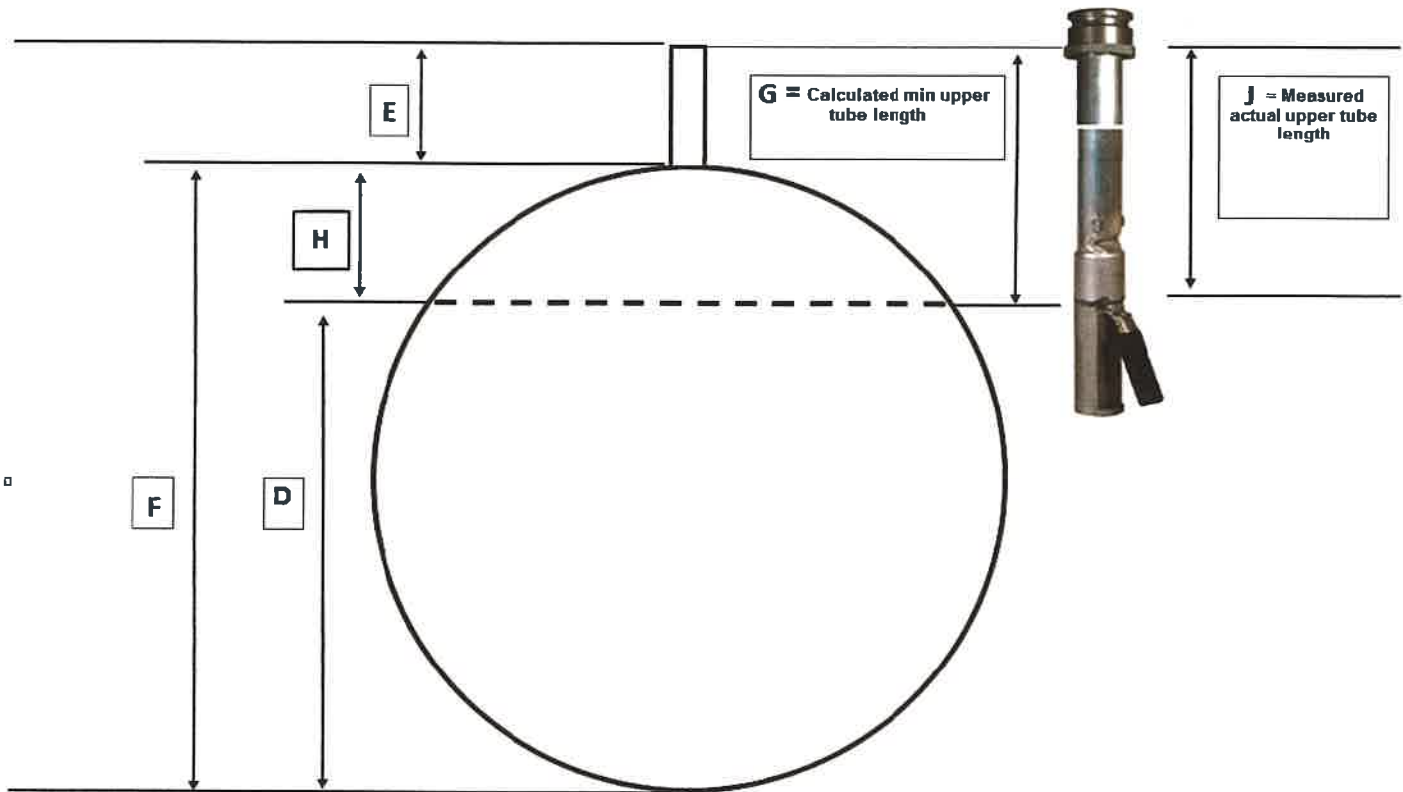
Pass			
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Comments:
set new drop tube to 95% shutoff since no ball/cage

Service Technician: 404 Well

Date: 10/7/2022

**Overfill Prevention Equipment Inspection
OPW 61 and 71 Series Overfill Prevention Device Inspection**





THE OSCAR W. LARSON COMPANY

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PH: (248) 620-0070 • FAX: (248) 620-0072



Call Number: 220328-0156

APPENDIX C-5

UST OVERFILL EQUIPMENT INSPECTION AUTOMATIC SHUTOFF DEVICE AND BALL FLOAT VALVE

Facility Name: Rita's Convenience Marathon	Owner:
Address: 206 N. Benton Street	Address:
City, State, Zip Code: Millersburg, IN, 46543-9310	City, State, Zip Code:
Facility I.D. #:	Phone #:
Testing Company: Oscar W. Larson	Phone #: Date: 10/18/2022

This data sheet is for inspecting automatic shutoff devices and ball float valves. See PEI/RP1200, Section 7 for inspection procedures.

Product Grade	Regular Unlead	Diesel				
Tank Number	1	3				
Tank Volume, gallons	15,248	7,950				
Tank Diameter, inches	119 3/8"	91 1/8"				
Overfill Prevention Device Brand	OPW	OPW				
Type	☒ Automatic Shutoff Device ☐ Ball Float Valve	☒ Automatic Shutoff Device ☐ Ball Float Valve	☐ Automatic Shutoff Device ☐ Ball Float Valve	☐ Automatic Shutoff Device ☐ Ball Float Valve	☐ Automatic Shutoff Device ☐ Ball Float Valve	☐ Automatic Shutoff Device ☐ Ball Float Valve

AUTOMATIC SHUTOFF DEVICE INSPECTION

1. Drop tube removed from tank?	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
2. Drop tube and float mechanisms are free of debris?	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
3. Float moves freely without binding and poppet moves into flow path?	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
4. Bypass valve in the drop tube is open and free of blockage (if present)?	☒ Yes ☐ No ☐ Not Present	☒ Yes ☐ No ☐ Not Present	☐ Yes ☐ No ☐ Not Present	☐ Yes ☐ No ☐ Not Present	☐ Yes ☐ No ☐ Not Present	☐ Yes ☐ No ☐ Not Present
5. Flapper is adjusted to shut off flow at 95% capacity?*	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No

A "No" to any item in Lines 1-5 indicates a test failure.

BALL FLOAT VALVE INSPECTION

1. Tank top fittings are vapor-tight and leak-free?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
2. Ball float cage free of debris?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
3. Ball is free of holes and cracks and moves freely in cage?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
4. Vent hole in pipe is open and near top of tank?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
5. Ball float pipe is proper length to restrict flow at 90% capacity?**	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No

A "No" to any item in Lines 1-5 indicates a test failure.

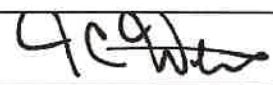
Test Results	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail
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* Use manufacturer's suggested procedure for determining if automatic shutoff device will shut off flow at 95% capacity.

** Use manufacturer's suggested procedure for determining if flow restriction device will restrict flow at 90% capacity.

Comments: set drop tubes to 90% shutoff since ball/cages could not be removed

Tester's Name Joshua Wetli

Tester's Signature 

Current Inventory Printout





Overfill Prevention Equipment Inspection
OPW 61 and OPW 71 Series Overfill Prevention Device Inspection

Service Call#: 220328-0156
Date: 10/18/2022
Customer Name: Rita's Convenience
Location #: RITA'S CONVENIENCE MARATHON
Location Address: 206 N. Benton Street
Drop Tube Model #: 71SO-4010/71SO-410C

PART 1) Proper height setting calculation

Maximum tank volume per
Max shutoff requirement for flapper is 90%
Multiply maximum tank volume by 90%
Use tank chart or ATG to determine height of calculated volume
Measure from tank top to fill riser threads, or face seal adapter
Tank Diameter
Upper tube in tank (G) $F-D=G$
Subtract 2 inches from upper tube in tank $G-2=H$
Calculate minimum upper tube length (I) $H+E=I$
Actual measured upper tube length (without fill adapter) (J)

A gallons
B 90%
C gallons
D inches
E inches
F inches
G inches
H inches
I inches
J inches

Regular	Diesel		
15248	7950		
0.90	0.90	0.90	0.90
13723.2	7155	0	0
99.5	75.875		
29.75	35		
119.375	91.125		
19.875	15.25	0	0
17.875	13.25	-2	-2
47.625	48.25	-2	-2
47.625	48.25		

Part 2) Device certification criteria evaluation

Criteria 1	Does the overfill prevention device meet the 90% requirement?	Yes	Yes		
Criteria 2	Is the actual measured upper tube length equal 6.5" or more than the fill riser? (J must be 6.5" or more than E)	Yes	Yes		
Criteria 3	Does the overfill prevention device function as required? (inspect the device for damage, contamination, freedom of movement, weakening due to wear and corrosion)	Yes	Yes		

Part 3) Device certification Pass / Fail

Technician certifies that the device is operationally compliant.
If the response to Criteria 1, 2, and 3 above are yes

Pass	Pass		
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Comments:

Set drop tubes to 90% shutoff since ball/cages could not be removed

Service Technician: AC4 Wels

Date: 10/18/2022

**Overfill Prevention Equipment Inspection
OPW 61 and 71 Series Overfill Prevention Device Inspection**

