

TANK PRESSURE CALCULATION and WATER SENSOR CALIBRATION

EZY CHEK SYSTEMS

FINAL REPORT

PC # and WO #	
NAME and FID #	Citgo - FID # 1634
ADDRESS	1356 Portage Ave
CITY/STATE/ZIP	South Bend IN 46628
CONTACT	
PHONE	

DATE AND TIME	6/7/22 - 1100/1630
WEATHER	63 - Cloudy
INVOICE	Collected
TOTAL TANK VOL.	
PRODUCT VOL.	
ULLAGE VOL.	
PRODUCT TYPE	Regular
TANK #	1
Depth of Groundwater Determined:	0
BY:	STICK
WHERE:	MONITORING WELL - TANK BED

THE ACOUSTIC CHARACTERISTIC OF A LEAK REVEALS:

PASS	TIGHT TANK THIS UNDERGROUND STORAGE TANK PASSES / FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.
PASS	ULLAGE (DRY) PORTION OF LEAK THIS UNDERGROUND STORAGE TANK PASSES / FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.
PASS	BELOW PRODUCT LEVEL (WET) PORTION LEAK THIS UNDERGROUND STORAGE TANK PASSES / FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.

WATER SENSOR INDICATES:

(MARK ONLY ONE)

No Water Intrusion	
Water Intrusion	
Not Applicable	X

OPERATOR INFO

Print Name	Adam Case	Certification #	27-1160
Sign Name	<i>Adam Case</i>	Expiration Date	5/20/24
Testing Company	Midwest Tank Testing	Telephone #	800-975-1436
Address	316 W. Indiana Ave.		
City/State/Zip	Chesterton, IN 46304		

	Serial Number
IN-TANK MICROPHONE	M1904001/M2106004/M1537006
ACOUSTIC SIGNAL PROCESSOR	E1815004
PRESSURE SENSOR	40665414 and 40665314
WATER SENSOR DISPLAY	D1902350 and D1411504
WATER SENSOR PROBE	P1404102 and P1404106

Calibration Expiration Date
November-22
November-22
November-22
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COMMENTS/RECOMMENDATIONS: Water intrusion test was not done because no water was present around the tank.

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BY:	MEASURING STICK
WHERE:	MONITORING WELL - TANK BED

Test Location Information

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TANK TIGHTNESS TEST - (TTT) PRESSURE SENSOR CALCULATION

64.50	x	0.026	=	1.677	PSI (1)
INCHES OF PRODUCT		WEIGHT OF PRODUCT			
0.00	x	.036	=	0.000	PSI (2)
INCHES OF WATER IN TANK					
Line 1 + Line 2 = Total Positive Head Pressure In Tank			=	1.677	PSI (3)
0.00	x	.036	=	0.000	PSI (4)
INCHES OF WATER OUTSIDE TANK					
Total Head Pressure Minus Outside Water Pressure			=	1.677	+/- PSI (5)
Always add .5 PSI			+	0.500	PSI (6)
NOTE: If Line 6 is Less Than .5 PSI Line 7 Shall be .5 PSI					
TEST PRESSURE			=	2.177	+/- PSI (7)

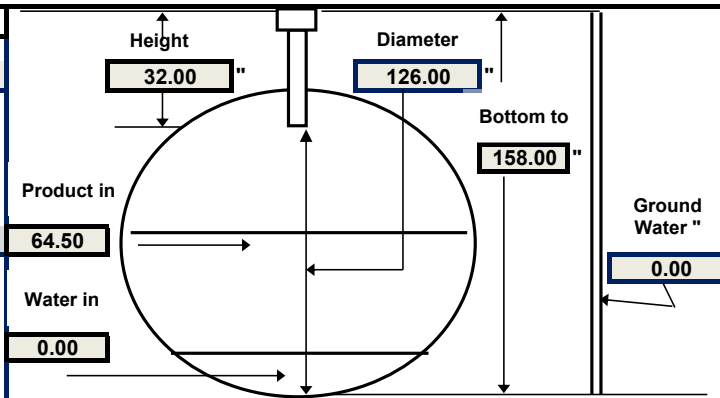
ACOUSTIC TEST TIME

EQUIPMENT CALIBRATION DUE DATE AND SERIAL NUMBERS

	Time	Pressure		Serial Number	Calibration Due Date
Baseline Background:	3:30 PM	0.0			
Blower Started:	3:31 PM	0.0	In-Tank Microphone	M1904001/M2106004/M1537006	November-22
Test Pressure Reached:	3:32 PM	2.180	Acoustic Signal Processor	E1815004	November-22
Blower Turned Off:	3:34 PM	2.224	Pressure Sensor	40665414 and 40665314	November-22
Test Began:	3:37 PM	2.220	Water Sensor Display	D1902350 and D1411504	November-22
Test Ended:	3:40 PM	2.220	Water Sensor Probe	P1404102 and P1404106	November-22

WATER SENSOR CALIBRATION

Added:			
Average:	Cal #1	Cal #2	Cal #3
Calculation for Test Period:			
Avg. Cal.	÷ 3780 =	÷ .05	x 60
	"A" Factor		Time of Test
Water Intrusion Test Period:			
Began:			
Ended:			



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WEATHER	63 - Cloudy
INVOICE	Collected
TOTAL TANK VOL.	
PRODUCT VOL.	
ULLAGE VOL.	
PRODUCT TYPE	Diesel
TANK #	3
Depth of Groundwater Determined:	0
BY:	STICK
WHERE:	MONITORING WELL - TANK BED

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PASS	TIGHT TANK THIS UNDERGROUND STORAGE TANK PASSES / FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.
PASS	ULLAGE (DRY) PORTION OF LEAK THIS UNDERGROUND STORAGE TANK PASSES / FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.
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	E1815004
PRESSURE SENSOR	
	40665414 and 40665314
WATER SENSOR DISPLAY	
	D1902350 and D1411504
WATER SENSOR PROBE	
	P1404102 and P1404106

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TANK TIGHTNESS TEST - (TTT) PRESSURE SENSOR CALCULATION

0.00	x	0.31	=	0.000	PSI (1)
INCHES OF PRODUCT		WEIGHT OF PRODUCT			
2.00	x	.036	=	0.072	PSI (2)
INCHES OF WATER IN TANK					
Line 1 + Line 2 = Total Positive Head Pressure In Tank			=	0.072	PSI (3)
0.00	x	.036	=	0.000	PSI (4)
INCHES OF WATER OUTSIDE TANK					
Total Head Pressure Minus Outside Water Pressure			=	0.072	+/- PSI (5)
Always add .5 PSI			+	0.500	PSI (6)
NOTE: If Line 6 is Less Than .5 PSI Line 7 Shall be .5 PSI					
TEST PRESSURE			=	0.572	+/- PSI (7)

ACOUSTIC TEST TIME			EQUIPMENT CALIBRATION DUE DATE AND SERIAL NUMBERS		
	Time	Pressure		Serial Number	Calibration Due Date
Baseline Background:	2:25 PM	0.0	In-Tank Microphone	M1904001/M2106004/M1537006	November-22
Blower Started:	2:30 PM	0.0			
Test Pressure Reached:	3:21 PM	0.575	Acoustic Signal Processor	E1815004	November-22
Blower Turned Off:	3:24 PM	0.681	Pressure Sensor	40665414 and 40665314	November-22
Test Began:	3:27 PM	0.675	Water Sensor Display	D1902350 and D1411504	November-22
Test Ended:	3:30 AM	0.671	Water Sensor Probe	P1404102 and P1404106	November-22

WATER SENSOR CALIBRATION					
Added:					
Average:	Cal #1	Cal #2	Cal #3		
Calculation for Test Period:					
Avg. Cal.	÷ 3780 =	÷ .05	x 60	Time of Test	
Water Intrusion Test Period:					
Began:					
Ended:					

Height 30.00"

Diameter 95.00"

Bottom to 125.00"

Ground Water " 0.00"

Product in 0.00

Water in 2.00