

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	Premium
TANK #	2
Depth of Groundwater Determined:	0
BY:	STICK
WHERE:	MONITORING WELL - TANK BED

THE ACOUSTIC CHARACTERISTIC OF A LEAK REVEALS:

N/A	TIGHT TANK THIS UNDERGROUND STORAGE TANK PASSES / FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.
N/A	ULLAGE (DRY) PORTION OF LEAK THIS UNDERGROUND STORAGE TANK PASSES / FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.
N/A	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		

IN-TANK MICROPHONE	Serial Number
	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
November-22
November-22

COMMENTS/RECOMMENDATIONS: Test pressure could not be reached. All visible isolation points were sealed. More testing will be required.

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DATA SHEET

DATE AND TIME	6/7/22 - 1100/1630
WEATHER	63 - Cloudy
INVOICE	Collected
TOTAL TANK VOL.	
PRODUCT VOL.	
ULLAGE VOL.	
PRODUCT TYPE	Premium
TANK #	2
Depth of Groundwater Determined:	0
BY:	MEASURING STICK
WHERE:	MONITORING WELL - TANK BED

Test Location Information	
PC # and WO #	
NAME and FID #	Citgo - FID # 1634
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TANK TIGHTNESS TEST - (TTT) PRESSURE SENSOR CALCULATION

20.00	x	0.026	=	0.520	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			=	0.520	PSI (3)
0.00	x	.036	=	0.000	PSI (4)
INCHES OF WATER OUTSIDE TANK					
Total Head Pressure Minus Outside Water Pressure			=	0.520	+/- 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			=	1.020	+/- PSI (7)

ACOUSTIC TEST TIME			EQUIPMENT CALIBRATION DUE DATE AND SERIAL NUMBERS		
	Time	Pressure		Serial Number	Calibration Due Date
Baseline Background:					
Blower Started:			In-Tank Microphone	M1904001/M2106004/M1537006	November-22
Test Pressure Reached:			Acoustic Signal Processor	E1815004	November-22
Blower Turned Off:			Pressure Sensor	40665414 and 40665314	November-22
Test Began:			Water Sensor Display	D1902350 and D1411504	November-22
Test Ended:			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 =	"A" Factor	÷ .05	x 60	Time of Test
Water Intrusion Test Period:					
Began:					
Ended:					

Height 32.00 "

Diameter 126.00 "

Bottom to 158.00 "

Ground Water " 0.00

Product in 20.00

Water in