

TANK PRESSURE CALCULATION and WATER SENSOR CALIBRATION

EZY CHEK SYSTEMS

FINAL REPORT

PC # and WO #	
NAME and FID #	Marathon - FID 24742
ADDRESS	3204 Monroe St.
CITY/STATE/ZIP	LaPorte, IN 46350
CONTACT	
PHONE	

DATE AND TIME	12/7/22 - 12:00 PM
WEATHER	45 Cloudy
INVOICE	Collected
TOTAL TANK VOL.	10000
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:

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	X
Water Intrusion	
Not Applicable	

OPERATOR INFO

Print Name	Chris Zell	Certification #	ICC 102219285
Sign Name	<i>Chris Zell</i>	Expiration Date	6/17/24
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
	M2112020 and M2003031
ACOUSTIC SIGNAL PROCESSOR	
	E2013002
PRESSURE SENSOR	
	412531919 and 412532619
WATER SENSOR DISPLAY	
	D2010304 and D2010292
WATER SENSOR PROBE	
	P2011313 and P2011311

Calibration Expiration Date
November-22
November-22
November-22
November-22
November-22

COMMENTS/RECOMMENDATIONS: Biocide was used with water calibration to test for water intrusion. The ATG read 0 water, but my paste turned greenish, but not bright green. Both drop tubes need repaired.

TANK PRESSURE CALCULATION and WATER SENSOR CALIBRATION

EZY CHEK SYSTEMS

DATA SHEET

DATE AND TIME	12/7/22 - 12:00 PM
WEATHER	45 Cloudy
INVOICE	Collected
TOTAL TANK VOL.	10000
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 #	Marathon - FID 24742
ADDRESS	3204 Monroe St.
CITY/STATE/ZIP	LaPorte, IN 46350
CONTACT	
PHONE	

TANK TIGHTNESS TEST - (TTT) PRESSURE SENSOR CALCULATION

38.00	x	0.026	=	0.988	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			=	0.988	PSI (3)
0.00	x	.036	=	0.000	PSI (4)
INCHES OF WATER OUTSIDE TANK					
Total Head Pressure Minus Outside Water Pressure			=	0.988	+/- 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			=	1.488	+/- PSI (7)

ACOUSTIC TEST TIME

	Time	Pressure
Baseline Background:	12:27 PM	0.0
Blower Started:	12:29 PM	0.0
Test Pressure Reached:	1:03 PM	1.532
Blower Turned Off:	1:07 AM	1.661
Test Began:	1:08 PM	1.652
Test Ended:	1:28 PM	1.401

EQUIPMENT CALIBRATION DUE DATE AND SERIAL NUMBERS

	Serial Number	Calibration Due Date
In-Tank Microphone	M2112020/M2003031	November-22
Acoustic Signal Processor	E2013002	November-22
Pressure Sensor	412531919/412532619	November-22
Water Sensor Display	D2010304/D2010292	November-22
Water Sensor Probe	P2011313	November-22

WATER SENSOR CALIBRATION

Added:	60	60	60
	Cal #1	Cal #2	Cal #3
Average:	60		
Calculation for Test Period:			
60 ÷ 3780 = 0.016 ÷ .05 = 0.317 x 60 = 19 minutes			
Avg. Cal.	"A" Factor		Time of Test
Water Intrusion Test Period:			
Began:	1:07 PM		
Ended:	1:28 PM		

