

TANK PRESSURE CALCULATION and WATER SENSOR CALIBRATION

EZY CHEK SYSTEMS

FINAL REPORT

PC # and WO #	
NAME and FID #	Phillips 66 - FID # 15672
ADDRESS	203 N. Main St.
CITY/STATE/ZIP	North Liberty, IN 46554
CONTACT	Raj
PHONE	

DATE AND TIME	11/14/20 - 7:00AM
WEATHER	27 - Clear
INVOICE	Collected
TOTAL TANK VOL.	
PRODUCT VOL.	
ULLAGE VOL.	
PRODUCT TYPE	Regular
TANK #	1
Depth of Groundwater Determined:	Unknown
BY:	
WHERE:	

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	☐

OPERATOR INFO

Print Name	Adam Case	Certification #	27-1160
Sign Name	<i>Adam Case</i>	Expiration Date	5/17/22
Testing Company	Midwest Tank Testing	Telephone #	800-975-1436
Address	209 S. Calumet Rd. Suite 4		
City/State/Zip	Chesterton, IN 46304		

	Serial Number
IN-TANK MICROPHONE	M1808031 and M1806005
ACOUSTIC SIGNAL PROCESSOR	E1815004
PRESSURE SENSOR	40665414 and 40665314
WATER SENSOR DISPLAY	D1413203 and D1411504
WATER SENSOR PROBE	P1404102 and P1404106

Calibration Expiration Date
November-21
November-21
November-21
November-21
November-21

COMMENTS/RECOMMENDATIONS: Biocide was used with water calibration to test for water intrusion.

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Test Location Information

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TANK TIGHTNESS TEST - (TTT) PRESSURE SENSOR CALCULATION

14.00	x	0.026	=	0.364	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			=	0.364	PSI (3)
0.00	x	.036	=	0.000	PSI (4)
INCHES OF WATER OUTSIDE TANK					
Total Head Pressure Minus Outside Water Pressure			=	0.364	+/- 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			=	0.864	+/- PSI (7)

ACOUSTIC TEST TIME

	Time	Pressure
Baseline Background:	8:08 AM	0.0
Blower Started:	8:14 AM	0.0
Test Pressure Reached:	8:24 AM	0.865
Blower Turned Off:	8:26 AM	0.965
Test Began:	8:29 AM	0.949
Test Ended:	8:32 AM	0.945

EQUIPMENT CALIBRATION DUE DATE AND SERIAL NUMBERS

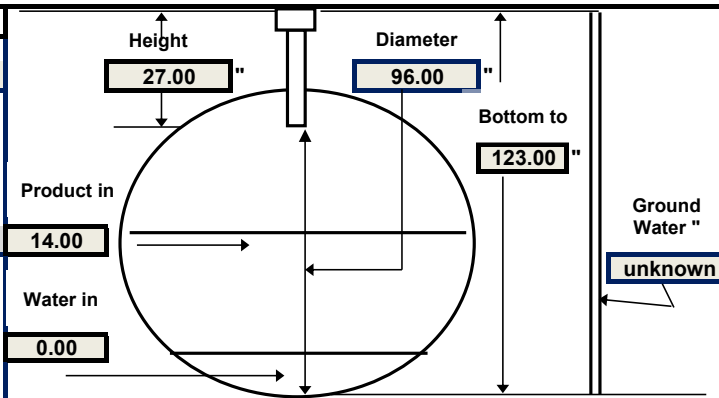
	Serial Number	Calibration Due Date
In-Tank Microphone	M1808031 and M1806005	November-21
Acoustic Signal Processor	E1815004	November-21
Pressure Sensor	40665414 and 40665314	November-21
Water Sensor Display	D1413203 and D1411504	November-21
Water Sensor Probe	P1404102 and P1404106	November-21

WATER SENSOR CALIBRATION

Added:	75	100	100
	Cal #1	Cal #2	Cal #3
Average:	92		
Calculation for Test Period:			
92 ÷ 3780 = 0.024 ÷ .05 = 0.487 x 60 = 29 minutes			
Avg. Cal.	"A" Factor		Time of Test

Water Intrusion Test Period:

Began:	9:14 AM
Ended:	9:43 AM



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WEATHER	27 - Clear
INVOICE	Collected
TOTAL TANK VOL.	
PRODUCT VOL.	
ULAGE VOL.	
PRODUCT TYPE	Regular
TANK #	2
Depth of Groundwater Determined:	Unknown
BY:	
WHERE:	

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.
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(MARK ONLY ONE)

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Water Intrusion	
Not Applicable	

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WATER SENSOR DISPLAY	
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Test Ended:	8:32 AM	0.945	Water Sensor Probe	P1404102 and P1404106	November-21

WATER SENSOR CALIBRATION					
Added:	50	50	50		
	Cal #1	Cal #2	Cal #3		
Average:	50				
Calculation for Test Period:					
50 ÷ 3780 = 0.013 ÷ .05 = 0.265 x 60 = 16 minutes				14.00	
Avg. Cal. "A" Factor				0.00	
Water Intrusion Test Period:					
Began:	9:20 AM				
Ended:	9:36 AM				

Height: 27.00"

Diameter: 96.00"

Bottom to: 123.00"

Product in: 14.00"

Water in: 0.00"

Ground Water: unknown