

TANK PRESSURE CALCULATION and WATER SENSOR CALIBRATION

EZY CHEK SYSTEMS

FINAL REPORT

PC # and WO #	
NAME and FID #	Conoco - FID # 16333
ADDRESS	1245 S. Main St.
CITY/STATE/ZIP	Elkhart, IN 46514
CONTACT	Paul
PHONE	(574) 532-7858

DATE AND TIME	2/27/2020 - 8:20 AM
WEATHER	27 - Snow
INVOICE	Collected
TOTAL TANK VOL.	
PRODUCT VOL.	
ULAGE VOL.	
PRODUCT TYPE	Premium
TANK #	3
Depth of Groundwater Determined:	0.00
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	☐

OPERATOR INFO

Print Name	Adam Case	Certification #	27-1160
Sign Name	Adam Case	Expiration Date	5/17/20
Testing Company	Midwest Tank Testing	Telephone #	800-975-1436
Address	209 S. Calumet Rd. Suite 4		
City/State/Zip	Chesterton, IN 46304		

STATE REQUIREMENT: A DIAGRAM OF THE TANK SYSTEM MUST BE SUBMITTED TO THE STATE WITH THIS REPORT

	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
October-20
October-20
October-20
October-20
October-20

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

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EZY CHEK SYSTEMS

DATA SHEET

DATE AND TIME	2/27/2020 - 8:20 AM
WEATHER	27 - Snow
INVOICE	Collected
TOTAL TANK VOL.	
PRODUCT VOL.	
ULLAGE VOL.	
PRODUCT TYPE	Premium
TANK #	3
Depth of Groundwater Determined:	0.00
BY:	MEASURING STICK
WHERE:	MONITORING WELL - TANK BED

Test Location Information

PC # and WO #	
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TANK TIGHTNESS TEST - (TTT) PRESSURE SENSOR CALCULATION

33.00	x	0.026	=	0.858	PSI (1)
INCHES OF PRODUCT		WEIGHT OF PRODUCT			
4.00	x	.036	=	0.144	PSI (2)
INCHES OF WATER IN TANK					
Line 1 + Line 2 = Total Positive Head Pressure In Tank			=	1.002	PSI (3)
0.00	x	.036	=	0.000	PSI (4)
INCHES OF WATER OUTSIDE TANK					
Total Head Pressure Minus Outside Water Pressure			=	1.002	+/- 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			=	1.502	+/- PSI (7)

ACOUSTIC TEST TIME

EQUIPMENT CALIBRATION DUE DATE AND SERIAL NUMBERS

	Time	Pressure		Serial Number	Calibration Due Date
Baseline Background:	9:48 AM	0.0			
Blower Started:	9:49 AM	0.0			
Test Pressure Reached:	10:01 AM	1.562	In-Tank Microphone	M1808031 and M1806005	October-20
Blower Turned Off:	10:04 AM	1.578	Acoustic Signal Processor	E1815004	October-20
Test Began:	10:07 AM	1.576	Pressure Sensor	40665414 and 40665314	October-20
Test Ended:	10:10 AM	1.574	Water Sensor Display	D1413203 and D1411504	October-20
			Water Sensor Probe	P1404102 and P1404106	October-20

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			
Avg. Cal.	"A" Factor		Time of Test

Water Intrusion Test Period:

Began:	10:16 AM
Ended:	10:32 AM

