Midwest Tank Testing
AN ENVIRONMENTAL COMPLIANCE COMPANY
316 W Indiana Ave.
Chesterton, IN 46304

AUTOMATIC TANK GAUGE (ATG) FUNCTIONALITY DATA SHEET

DATE AND TIME	9-6-24 7:20-10:50 AM
WEATHER	63 SUNNY
COLLECT/INVOICE	COLLECTED
CLIENT E-MAIL	

Test Location Information	
PC # and WO #	
Name and FID #	CITGO #16409
Address	509 US HWY 20
City/State/Zip	MICHIGAN CITY, IN 46360
Contact	
Phone	219-221-6482

Certifications
Estabrooks: 02-6669
Veeder Root: B46257
Indiana: UC201511138C & UC111867
Kentucky: IR0009779
Illinois: 002401
Franklin Fuel Systems: 1037623709

Testing Company Information	
Name	Midwest Tank Testing
Address	316 W Indiana Ave.
City/State/Zip	Chesterton, IN 46304
Phone	800-975-1436

Technician Information	
Name	Ryan Hartman
Cert #	02-6669

AUTOMATIC TANK GAUGE (ATG) FUNCTIONALITY TEST

This procedure is to determine whether the automatic tank gauge (ATG) is operating properly. See PEI/RP1200 Section 8.2 for the inspection procedure. This procedure is applicable to tank level monitor stems that touch the bottom of the tank when in place.

ATG Brand & Model	VR TLS 350							
Tank #	1	2	3	4				
Product Stored	PREMIUM	REGULAR NORTH	REGULAR SOUTH	DIESEL				
Tank Volume (gallons)	10152	10152	10152	10152				
Tank Diameter (inches)	96	96	96	96				
1. After removing the ATG from the tank, it has been inspected and any damaged or missing parts replaced? (Yes/No)	Yes	Yes	Yes	Yes				
2. Float moves freely on the stem without binding? (Yes/No)	Yes	Yes	Yes	Yes				
3. Fuel float level agrees with the value programmed into the console? (Yes/No)	Yes	Yes	Yes	Yes				
4. Water float level agrees with the value programmed into the console? (Yes/No)	Yes	Yes	Yes	Yes				
5. Inch level from bottom of stem when 90% alarm is triggered.	81	81	81	81				
6. Inch level at which the overfill alarm activates corresponds with value programmed in the gauge? (Yes/No)	Yes	Yes	Yes	Yes				
7. Inch level from the bottom when the water float first triggers an alarm.	2.5	2.5	2.5	2.5				
8. Inch level at which the water float alarm activates corresponds with value programmed in the gauge? (Yes/No)	Yes	Yes	Yes	Yes				
If any answers in Lines 1,2,3 or 4 are "No," the system has failed the test.								
Test Results (Pass/Fail)	Pass	Pass	Pass	Pass				

Comments:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Underground Storage Tank

RYAN HARTMAN
316 W INDIANA AVENUE
CHESTERTON, IN 46304

STATE/PERMIT#	ISSUED	EFFECTIVE
UC111867	**4/16/2024**	**4/16/2024**

DISCIPLINES

- ☒ Installation or Retrofitting — Expiration Date: **12/10/2024**
- ☐ Decommissioning — Expiration Date:
- ☒ Cathodic Protection — Expiration Date: **3/1/2026**
- ☒ Tank Tightness Testing — Expiration Date: **3/30/2026**

The attached testing was completed at this site by an IDHS certified technician.

Technician's Signature: _____

Ryan Hartman

Midwest Tank Testing
AN ENVIRONMENTAL COMPLIANCE COMPANY

316 W. Indiana Ave.
Chesterton, IN 46304
(800) 975-1436
Serving the Midwest Since 1990

CITGO
502 HWY 20
M CITY IN 46360

SEP 6, 2024 7:22 AM

SYSTEM STATUS REPORT

ALL FUNCTIONS NORMAL

INVENTORY REPORT

T 1:PREMIUM
VOLUME = 986 GALS
ULLAGE = 9166 GALS
90% ULLAGE= 8150 GALS
TC VOLUME = 979 GALS
HEIGHT = 14.72 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 68.8 DEG F

T 2:RNL NORTH
VOLUME = 5006 GALS
ULLAGE = 5146 GALS
90% ULLAGE= 4130 GALS
TC VOLUME = 4976 GALS
HEIGHT = 47.48 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 68.6 DEG F

T 3:RNL SOUTH
VOLUME = 4570 GALS
ULLAGE = 5582 GALS
90% ULLAGE= 4566 GALS
TC VOLUME = 4544 GALS
HEIGHT = 44.24 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 67.8 DEG F

T 4:DIESEL
VOLUME = 1160 GALS
ULLAGE = 6847 GALS
90% ULLAGE= 6045 GALS
TC VOLUME = 1164 GALS
HEIGHT = 19.52 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 68.2 DEG F

END * * * * *

SYSTEM SETUP

SEP 6, 2024 7:22 AM

SYSTEM UNITS
U.S.
SYSTEM LANGUAGE
ENGLISH
SYSTEM DATE/TIME FORMAT
MON DD YYYY HH:MM:SS AM

CITGO
502 HWY 20
M CITY IN 46360

SHIFT TIME 1 : DISABLED
SHIFT TIME 2 : DISABLED
SHIFT TIME 3 : DISABLED
SHIFT TIME 4 : DISABLED

TANK PER TEST NEEDED WRN
DISABLED
TANK ANN TEST NEEDED WRN
DISABLED

LINE RE-ENABLE METHOD
PASS LINE TEST

LINE PER TEST NEEDED WRN
DISABLED
LINE ANN TEST NEEDED WRN
DISABLED

PRINT TC VOLUMES
ENABLED

TEMP COMPENSATION
VALUE (DEG F): 60.0
STICK HEIGHT OFFSET
DISABLED
ULLAGE/ 90%
DAYLIGHT SAVING TIME
DISABLED

SYSTEM SECURITY
CODE : 000000

TANK CHART SECURITY
DISABLED

CUSTOM ALARMS
DISABLED

MASS-DENSITY
DISABLED

COMMUNICATIONS SETUP

PORT SETTINGS:

NONE FOUND

RS-232 END OF MESSAGE
DISABLED

IN-TANK SETUP

T 1:PREMIUM
PRODUCT CODE : 1
THERMAL COEFF : .000700
TANK DIAMETER : 96.00
TANK PROFILE : 1 PT
FULL VOL : 10152

FLOAT SIZE: 3.0 IN.

WATER WARNING : 2.0
HIGH WATER LIMIT: 2.5

MAX OR LABEL VOL: 10152
OVERFILL LIMIT : 9136
95%
HIGH PRODUCT : 9644
5%
DELIVERY LIMIT : 203

LOW PRODUCT : 750
LEAK ALARM LIMIT: 99
SUDDEN LOSS LIMIT: 99
TANK TILT : 0.00
PROBE OFFSET : 0.00

SIPHON MANIFOLDED TANKS
T#: NONE
LINE MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 10%
: 1015

LEAK MIN ANNUAL : 5%
: 507

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 5 MIN
PUMP THRESHOLD : 10.00%

T 2:RNL NORTH
PRODUCT CODE : 2
THERMAL COEFF : .000700
TANK DIAMETER : 96.00
TANK PROFILE : 1 PT
FULL VOL : 10152

FLOAT SIZE: 2.0 IN.

WATER WARNING : 2.0
HIGH WATER LIMIT: 2.5

MAX OR LABEL VOL: 10152
OVERFILL LIMIT : 9136
90%
HIGH PRODUCT : 9136
90%
DELIVERY LIMIT : 1015

LOW PRODUCT : 1000
LEAK ALARM LIMIT: 99
SUDDEN LOSS LIMIT: 99
TANK TILT : 0.00
PROBE OFFSET : 0.00

SIPHON MANIFOLDED TANKS
T#: NONE
LINE MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 10%
: 1015

LEAK MIN ANNUAL : 10%
: 1015

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 5 MIN
PUMP THRESHOLD : 10.00%

T 3:RNL SOUTH
PRODUCT CODE : 3
THERMAL COEFF : .000700
TANK DIAMETER : 96.00
TANK PROFILE : 1 PT
FULL VOL : 10152

FLOAT SIZE: 4.0 IN.

WATER WARNING : 2.0
HIGH WATER LIMIT: 2.5

MAX OR LABEL VOL: 10152
OVERFILL LIMIT : 9136
90%
HIGH PRODUCT : 9644
95%
DELIVERY LIMIT : 1015

LOW PRODUCT : 1000
LEAK ALARM LIMIT: 99
SUDDEN LOSS LIMIT: 99
TANK TILT : 0.00
PROBE OFFSET : 0.00

SIPHON MANIFOLDED TANKS
T#: NONE
LINE MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 10%
: 1015

LEAK MIN ANNUAL : 10%
: 1015

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 5 MIN
PUMP THRESHOLD : 10.00%

T 4:DIESEL
PRODUCT CODE : 4
THERMAL COEFF : .000450
TANK DIAMETER : 96.00
TANK PROFILE : 1 PT
FULL VOL : 8015

FLOAT SIZE: 3.0 IN.

WATER WARNING : 2.0
HIGH WATER LIMIT: 2.5

MAX OR LABEL VOL: 8015
OVERFILL LIMIT : 7213
90%
HIGH PRODUCT : 7614
95%
DELIVERY LIMIT : 801
10%

LOW PRODUCT : 750
LEAK ALARM LIMIT: 99
SUDDEN LOSS LIMIT: 99
TANK TILT : 0.00
PROBE OFFSET : 0.00

SIPHON MANIFOLDED TANKS
T#: NONE
LINE MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 5%
: 400

LEAK MIN ANNUAL : 5%
: 400

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 5 MIN
PUMP THRESHOLD : 10.00%

LEAK TEST METHOD

TEST CSLD : ALL TANK
Pd = 95%
CLIMATE FACTOR:MODERATE

REPORT ONLY:
DAY 15 AND END OF MONTH

TST EARLY STOP:DISABLED

LEAK TEST REPORT FORMAT
ENHANCED

---- IN-TANK ALARM ----
T 1:PREMIUM
LOW PRODUCT ALARM
SEP 6, 2024 8:19 AM

---- IN-TANK ALARM ----
T 1:PREMIUM
PROBE OUT
SEP 6, 2024 8:19 AM

---- IN-TANK ALARM ----
T 1:PREMIUM
INVALID FUEL LEVEL
SEP 6, 2024 8:19 AM

---- IN-TANK ALARM ----
T 1:PREMIUM
DELIVERY NEEDED
SEP 6, 2024 8:20 AM

---- IN-TANK ALARM ----
T 1:PREMIUM
OVERFILL ALARM
SEP 6, 2024 8:20 AM

---- IN-TANK ALARM ----
T 2:RNL NORTH
PROBE OUT
SEP 6, 2024 8:21 AM

---- IN-TANK ALARM ----
T 1:PREMIUM
HIGH PRODUCT ALARM
SEP 6, 2024 8:21 AM

---- IN-TANK ALARM ----
T 2:RNL NORTH
HIGH PRODUCT ALARM
SEP 6, 2024 8:22 AM

---- IN-TANK ALARM ----
T 3:RNL SOUTH
PROBE OUT
SEP 6, 2024 8:22 AM

---- IN-TANK ALARM ----
T 2:RNL NORTH
OVERFILL ALARM
SEP 6, 2024 8:22 AM

---- IN-TANK ALARM ----
T 3:RNL SOUTH
INVALID FUEL LEVEL
SEP 6, 2024 8:22 AM

---- IN-TANK ALARM ----
T 3:RNL SOUTH
LOW PRODUCT ALARM
SEP 6, 2024 8:23 AM

---- IN-TANK ALARM ----
T 3:RNL SOUTH
DELIVERY NEEDED
SEP 6, 2024 8:23 AM

---- IN-TANK ALARM ----
T 4:DIESEL
DELIVERY NEEDED
SEP 6, 2024 8:23 AM

---- IN-TANK ALARM ----
T 4:DIESEL
LOW PRODUCT ALARM
SEP 6, 2024 8:23 AM

---- IN-TANK ALARM ----
T 3:RNL SOUTH
HIGH PRODUCT ALARM
SEP 6, 2024 8:23 AM

---- IN-TANK ALARM ----
T 4:DIESEL
PROBE OUT
SEP 6, 2024 8:23 AM

---- IN-TANK ALARM ----
T 4:DIESEL
INVALID FUEL LEVEL
SEP 6, 2024 8:24 AM

---- IN-TANK ALARM ----
T 4:DIESEL
HIGH PRODUCT ALARM
SEP 6, 2024 8:25 AM

---- IN-TANK ALARM ----
T 4:DIESEL
OVERFILL ALARM
SEP 6, 2024 8:25 AM

T 1:PREMIUM
INVENTORY INCREASE

INCREASE START
SEP 6, 2024 8:20 AM

T 1:INVALID FUEL LEVEL
VOLUME = 171 GALS
HEIGHT = 4.47 INCHES
WATER = 1.59 INCHES
TEMP = 68.8 DEG F

INCREASE END
SEP 6, 2024 8:28 AM

VOLUME = 9750 GALS
HEIGHT = 88.02 INCHES
WATER = 2.58 INCHES
TEMP = 74.8 DEG F

GROSS INCREASE= 9579
TC NET INCREASE= 9479

T 3:RNL SOUTH
INVENTORY INCREASE

INCREASE START
SEP 6, 2024 8:23 AM

T 3:INVALID FUEL LEVEL
VOLUME = 406 GALS
HEIGHT = 8.02 INCHES
WATER = 1.47 INCHES
TEMP = 67.6 DEG F

INCREASE END
SEP 6, 2024 8:29 AM

VOLUME = 9681 GALS
HEIGHT = 87.12 INCHES
WATER = 3.17 INCHES
TEMP = 70.5 DEG F

GROSS INCREASE= 9275
TC NET INCREASE= 9206

T 2:RNL NORTH
INVENTORY INCREASE

INCREASE START
SEP 6, 2024 8:21 AM

VOLUME = 4408 GALS
HEIGHT = 43.03 INCHES
WATER = 1.95 INCHES
TEMP = 67.9 DEG F

INCREASE END
SEP 6, 2024 8:31 AM

VOLUME = 9833 GALS
HEIGHT = 89.18 INCHES
WATER = 3.04 INCHES
TEMP = 71.0 DEG F

GROSS INCREASE= 5425
TC NET INCREASE= 5373

T 4:DIESEL
INVENTORY INCREASE

INCREASE START
SEP 6, 2024 8:23 AM

VOLUME = 647 GALS
HEIGHT = 12.97 INCHES
WATER = 0.00 INCHES
TEMP = 68.2 DEG F

INCREASE END
SEP 6, 2024 8:31 AM

VOLUME = 7713 GALS
HEIGHT = 88.29 INCHES
WATER = 3.25 INCHES
TEMP = 74.0 DEG F

GROSS INCREASE= 7066
TC NET INCREASE= 7019

---- IN-TANK ALARM ----
T 1:PREMIUM
HIGH WATER ALARM
SEP 6, 2024 8:32 AM

---- IN-TANK ALARM ----
T 1:PREMIUM
HIGH WATER WARNING
SEP 6, 2024 8:32 AM

---- IN-TANK ALARM ----
T 3:RNL SOUTH
HIGH WATER ALARM
SEP 6, 2024 8:32 AM

---- IN-TANK ALARM ----
T 3:RNL SOUTH
HIGH WATER WARNING
SEP 6, 2024 8:32 AM

---- IN-TANK ALARM ----
T 2:RNL NORTH
HIGH WATER ALARM
SEP 6, 2024 8:34 AM

---- IN-TANK ALARM ----
T 2:RNL NORTH
HIGH WATER WARNING
SEP 6, 2024 8:34 AM

---- IN-TANK ALARM ----
T 4:DIESEL
HIGH WATER ALARM
SEP 6, 2024 8:34 AM

---- IN-TANK ALARM ----
T 4:DIESEL
HIGH WATER WARNING
SEP 6, 2024 8:34 AM

---- IN-TANK ALARM ----
T 1:PREMIUM
PROBE OUT
SEP 6, 2024 8:40 AM

---- IN-TANK ALARM ----
T 2:RNL NORTH
PROBE OUT
SEP 6, 2024 8:41 AM

---- IN-TANK ALARM ----
T 3:RNL SOUTH
PROBE OUT
SEP 6, 2024 8:41 AM

---- IN-TANK ALARM ----
T 4:DIESEL
PROBE OUT
SEP 6, 2024 8:42 AM

---- IN-TANK ALARM ----
T 3:RNL SOUTH
LOW TEMP WARNING
SEP 6, 2024 8:42 AM

---- IN-TANK ALARM ----
T 4:DIESEL
PROBE OUT
SEP 6, 2024 8:42 AM

---- IN-TANK ALARM ----
T 4:DIESEL
LOW TEMP WARNING
SEP 6, 2024 8:43 AM

CITGO
502 HWY 20
M CITY IN 46360

SEP 6, 2024 8:43 AM

SYSTEM STATUS REPORT

ALL FUNCTIONS NORMAL

CITGO
502 HWY 20
M CITY IN 46360

SEP 6, 2024 10:50 AM

SYSTEM STATUS REPORT

ALL FUNCTIONS NORMAL

INVENTORY REPORT

T 1:PREMIUM
VOLUME = 985 GALS
ULLAGE = 9167 GALS
90% ULLAGE= 8151 GALS
TC VOLUME = 978 GALS
HEIGHT = 14.71 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 68.9 DEG F

T 2:RNL NORTH
VOLUME = 4922 GALS
ULLAGE = 5230 GALS
90% ULLAGE= 4214 GALS
TC VOLUME = 4891 GALS
HEIGHT = 46.86 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 69.0 DEG F

T 3:RNL SOUTH
VOLUME = 4581 GALS
ULLAGE = 5571 GALS
90% ULLAGE= 4555 GALS
TC VOLUME = 4555 GALS
HEIGHT = 44.32 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 68.0 DEG F

T 4:DIESEL
VOLUME = 1164 GALS
ULLAGE = 6851 GALS
90% ULLAGE= 6049 GALS
TC VOLUME = 1160 GALS
HEIGHT = 19.47 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 68.2 DEG F

* * * * * END * * * * *