



# Test Reporting Requirements for Gilbarco ATG Static Leak Detection

## BUREAU OF WEIGHTS AND MEASURES

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## RESOURCES

Wis. Admin. Code § ATCP 93.510  
[https://docs.legis.wisconsin.gov/code/admin\\_code/atcp/090/93/V/510](https://docs.legis.wisconsin.gov/code/admin_code/atcp/090/93/V/510)

Wis. Admin Code § ATCP 93.515  
[https://docs.legis.wisconsin.gov/code/admin\\_code/atcp/090/93/V/515](https://docs.legis.wisconsin.gov/code/admin_code/atcp/090/93/V/515)

Materials Approval Page  
[https://datcp.wi.gov/Pages/Programs\\_Services/MaterialApprovalsLeakDetection.aspx](https://datcp.wi.gov/Pages/Programs_Services/MaterialApprovalsLeakDetection.aspx)

Gilbarco  
<http://www.gilbarco.com/us/>

Approval #2002005R1  
<https://datcp.wi.gov/Documents/ER-BST-MA-20020005R1.pdf>

## When to submit your test results

- When renewing your annual Permit-to-Operate the owner/operator must supply the department with passing test reports of the 3 most current consecutive months of testing, and each test must be 28-32 days apart. For example, if your first test was June 1, the second test must be July 1, and the third test must be on August 1.
- When an inspection is conducted by the State of Wisconsin, at least 12 months of test reports must be available for review by a state inspector.
- Below are test report examples that your Gilbarco ATG system will print. You are required to submit the test reports when renewing your annual permit to operate. You will need to know which test report your system will produce depending on how your service company programmed your ATG monitor.

### Gilbarco EMC Models

```
BUSINESS NAME
ADDRESS
CITY, ST ZIP

START IN-TANK LEAK TEST
TEST BY PROGRAMMED TIME
DEC 1, 2015 12:00 AM

TEST LENGTH      5 HOURS

T 1:UNLEADED
VOLUME = 5486 GALS
ULLAGE = 5941 GALS
90% ULLAGE = 4798 GALS
TC VOLUME = 5510 GALS
HEIGHT = 43.58 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 53.6 DEG F

STOP IN-TANK LEAK TEST
T 1:UNLEADED
DEC 1, 2015 5:00 AM

LEAK TEST REPORT
T 1:UNLEADED

TEST STARTING TIME:
DEC 1, 2015 12:00 AM

TEST LENGTH = 5.0 HRS
STRT VOLUME = 5510.5 GAL

LEAK TEST RESULTS
0.20 GAL/HR TEST PASS
```

or

```
STOP IN-TANK LEAK TEST
T 1: DIESEL
JUL 19, 2015 5:00

BUSINESS NAME
ADDRESS
CITY, ST

JUL 19, 2015 5:00

LEAK TEST REPORT

T 1:DIESEL
PROBE SERIAL NUM 123456

TEST STARTING TIME:
JUL 19, 2015 0:00

HEIGHT = 61.0 INCHES
WATER = 0.0 INCHES
TEMP = 67.3 F

TEST LENGTH = 5.0 HRS
STRT VOLUME = 6674.5 GAL
PERCENT VOLUME = 71.0

LEAK TEST RESULTS
RATE = 0.00 GAL/HR
THRS = -0.13 GAL/HR
0.20 GAL/HR TEST PASS
```

(over)

## Test Reporting Requirements for Gilbarco ATG Static Leak Detection

### Gilbarco TM-2 and TM-3

|                     |              |        |
|---------------------|--------------|--------|
| BUSINESS NAME       |              |        |
| ADDRESS             |              |        |
| CITY                |              |        |
| STATE, ZIP CODE     |              |        |
| GILBARCO            |              |        |
| TM-2                |              |        |
| TANK LEVEL SENSOR   |              |        |
| -----               |              |        |
| INVENTORY REPORT    |              |        |
| JAN 13, 2016        |              |        |
| 12:00 AM            |              |        |
| TANK 1              |              |        |
| REGULAR             |              |        |
| 4690                | GALLONS FUEL |        |
| 3289                | GALS ULLAGE  |        |
| 51.49               | INCHES FUEL  |        |
| 0.0                 | INCHES WATER |        |
| 44.2                | DEGREES F    |        |
| START LEAK MONITOR  |              |        |
| JAN 13, 2016        |              |        |
| 12:00 AM            |              |        |
| TANK 1              |              |        |
| REGULAR             |              |        |
| STOP LEAK MONITOR   |              |        |
| JAN 13, 2016        |              |        |
| 6:00 AM             |              |        |
| LEAK MONITOR REPORT |              |        |
| TEST STARTING TIME: |              |        |
| JAN 13, 2016        |              |        |
| 12:00 AM            |              |        |
| TEST HOURS 1-5      |              |        |
| -----               |              |        |
| TNK 1               |              |        |
| DEGREES F           |              |        |
| 44.2                |              |        |
| GALLONS             |              |        |
| 0.2                 |              |        |
| 0.3                 |              |        |
| 0.3                 |              |        |
| 0.2                 |              |        |
| 0.4                 |              |        |
| DEGREES F           |              |        |
| 44.2                |              |        |
| FINAL LEAK RATE:    |              |        |
| 0.20                |              |        |
| GAL/HR              |              |        |
| TANK                | GAL/HR       | TEST   |
| 1                   | 0.08         | PASSED |

If you have questions about how your Gilbarco ATG system works please contact your service company or Gilbarco directly. You can also find further information about your specific leak detection equipment on the materials approval page of our website. The Gilbarco material approval number is 2002005R1.

### Leak detection FAQs

#### What is leak detection?

“Leak Detection” means determining whether a discharge of regulated substance has occurred from a storage tank system into the environment or into the space between the tank and its secondary barrier or containment.

#### What is “ATG”?

“Automatic Tank Gauging” (ATG) or “Automatic Leak Detection” means a leak detection or monitoring system that will provide continuous 24-hour monitoring for the detection of a release or leak of vapor or product and will immediately communicate the detection of the release or leak to an electronic signaling device.

#### What is static testing?

[Wisconsin Administrative Code §§ ATCP 93.510](#) and [93.515](#) require all new and existing underground tank systems which store regulated substances to be provided with a method of leak detection. One of the acceptable methods of leak detection is “static” leak detection testing.

A static test monitors the integrity of the tank system by measuring changes in product volume/level. This type of test may require the tank system to be shut down for several hours, during which time there should be no dispensing or delivery of product. The test must be performed with a minimum amount of product as determined by the manufacturer of the system.