

Tank Reconciliation Check

Main St. Fuel (sample data) · 100 Main St, Springfield · Facility UST-000000

3 tanks · Jun 17, 2026 – Oct 14, 2026 · 120 days of readings

BOTTOM LINE

3 of 3 tanks need attention.

1,492 gal

fuel lost to identified causes
≈ \$4,776 at \$3.20/gal

14/15

monthly EPA inventory tests
passed

6

findings to review

What we found

1. **URGENT** T3 Diesel #2: Failed EPA monthly test (2026-09)
Over/short +538 gal exceeds the ±537 gal allowance (1% of 40,745 gal + 130). Investigate and keep records.
2. **NEEDS ACTION** T1 Regular 87: Possible leak or ongoing loss since 2026-09-03
Average daily over/short moved from 0.1 to -20.6 gal/day and stayed there, far beyond normal day-to-day noise. That is ≈621 gal/month. A step change like this, rather than gradual drift, usually means a new leak, a failed line or fitting, or recurring theft. Check line leak detectors and the sump, and run a tightness test.
3. **NEEDS ACTION** T2 Premium 93: Short delivery: 338 gal missing
BOL 3,500 gal, measured gain 3,162 gal (tolerance ±25 gal). File a claim with the carrier and keep the stick readings.
4. **NEEDS ACTION** T3 Diesel #2: Water rose 0.9" in one day
Sudden water ingress. Inspect the fill cap, spill bucket and tank top. Water in the tank can also hide a fuel loss.
5. **WORTH A LOOK** T2 Premium 93: Unusual loss of 285 gal
21.3x the tank's normal day-to-day noise. Check for a missed delivery entry, a stick reading error, a pump-test return, or after-hours theft.
6. **WORTH A LOOK** T3 Diesel #2: Variance proportional to sales (+1.24% of gallons sold)
The tank holds more than the book says, in proportion to sales. Dispensers may be over-registering, which overcharges customers and is a weights & measures issue. Have the meters calibrated.

Tanks at a glance

TANK	PRODUCT	GALLONS SOLD	NET OVER/SHORT	EPA MONTHS PASSED	IDENTIFIED LOSS	STATUS
T1	Regular 87	313,836	-863 (-0.27%)	5/5	869 gal	Needs action
T2	Premium 93	80,845	-564 (-0.7%)	5/5	623 gal	Needs action
T3	Diesel #2	168,840	+2,058 (+1.22%)	4/5	—	Urgent

12,000 gal capacity · 313,836 gal sold · 307,500 gal delivered · net -863 gal

Running over/short (gallons)

Physical stick or ATG reading minus book inventory, added up day by day. A flat line is healthy. A steady slope down means fuel is leaving that sales and deliveries don't explain. Dots mark flagged days.



Findings

- NEEDS ACTION** Possible leak or ongoing loss since 2026-09-03
Average daily over/short moved from 0.1 to -20.6 gal/day and stayed there, far beyond normal day-to-day noise. That is ≈621 gal/month. A step change like this, rather than gradual drift, usually means a new leak, a failed line or fitting, or recurring theft. Check line leak detectors and the sump, and run a tightness test.

EPA monthly inventory test

MONTH	SOLD	OVER/SHORT	ALLOWED	RESULT
Jun 2026 (14d)	36,563	+33	±496	Pass
Jul 2026	79,636	+19	±926	Pass
Aug 2026	80,098	-45	±931	Pass
Sep 2026	80,166	-566	±932	Pass
Oct 2026 (14d)	37,373	-304	±504	Pass

Losses we can attribute

Ongoing loss since Sep 3	869 gal	\$2,782
Total	869 gal	\$2,782

Deliveries

41 deliveries, none outside tolerance.

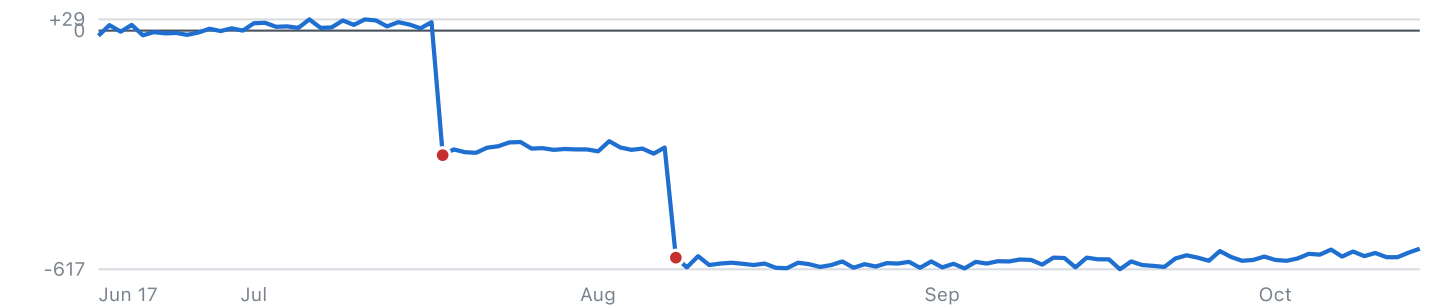
T2 · Premium 93

Needs action

6,000 gal capacity · 80,845 gal sold · 80,500 gal delivered · net -564 gal

Running over/short (gallons)

Physical stick or ATG reading minus book inventory, added up day by day. A flat line is healthy. A steady slope down means fuel is leaving that sales and deliveries don't explain. Dots mark flagged days.



Findings

- NEEDS ACTION** Short delivery: 338 gal missing
BOL 3,500 gal, measured gain 3,162 gal (tolerance ± 25 gal). File a claim with the carrier and keep the stick readings.
- WORTH A LOOK** Unusual loss of 285 gal
21.3x the tank's normal day-to-day noise. Check for a missed delivery entry, a stick reading error, a pump-test return, or after-hours theft.

EPA monthly inventory test

MONTH	SOLD	OVER/SHORT	ALLOWED	RESULT
Jun 2026 (14d)	8,775	0	± 218	Pass
Jul 2026	21,754	-307	± 348	Pass
Aug 2026	21,902	-290	± 349	Pass
Sep 2026	19,121	+13	± 321	Pass
Oct 2026 (14d)	9,293	+20	± 223	Pass

Losses we can attribute

Short deliveries	338 gal	\$1,082
Unexplained single-day losses	285 gal	\$912
Total	623 gal	\$1,994

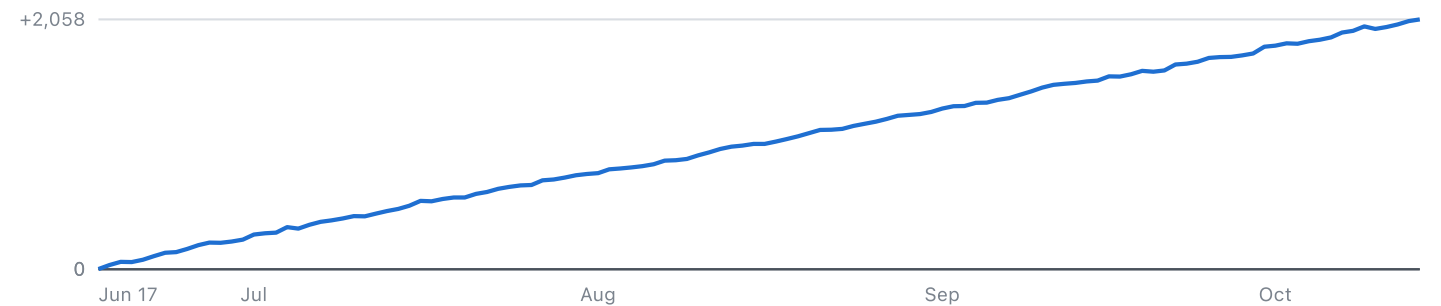
Deliveries

23 deliveries, 1 outside tolerance: Jul 18 (-338 gal vs BOL).

10,000 gal capacity · 168,840 gal sold · 162,000 gal delivered · net +2,058 gal

Running over/short (gallons)

Physical stick or ATG reading minus book inventory, added up day by day. A flat line is healthy. A steady slope down means fuel is leaving that sales and deliveries don't explain. Dots mark flagged days.



Findings

- URGENT** Failed EPA monthly test (2026-09)
Over/short +538 gal exceeds the ±537 gal allowance (1% of 40,745 gal + 130). Investigate and keep records.
- NEEDS ACTION** Water rose 0.9" in one day
Sudden water ingress. Inspect the fill cap, spill bucket and tank top. Water in the tank can also hide a fuel loss.
- WORTH A LOOK** Variance proportional to sales (+1.24% of gallons sold)
The tank holds more than the book says, in proportion to sales. Dispensers may be over-registering, which overcharges customers and is a weights & measures issue. Have the meters calibrated.

EPA monthly inventory test

MONTH	SOLD	OVER/SHORT	ALLOWED	RESULT
Jun 2026 (14d)	21,294	+245	±343	Pass
Jul 2026	43,926	+539	±569	Pass
Aug 2026	42,740	+511	±557	Pass
Sep 2026	40,745	+538	±537	Fail
Oct 2026 (14d)	20,135	+225	±331	Pass

Losses we can attribute

None. Losses stayed within normal measurement noise.

Deliveries

27 deliveries, none outside tolerance.

How this check works

- **Daily reconciliation.** For each tank and day: opening inventory + deliveries – gallons sold = book inventory. The difference from the measured closing inventory is that day's over/short.
- **EPA monthly test.** 40 CFR 280.43(a): the month's over/short must stay within 1% of gallons sold + 130 gallons.
- **Ongoing loss.** Flags the day the average daily over/short shifts and stays shifted (a statistical step change), which is how a new leak or recurring theft shows up, often weeks before the monthly test fails.
- **Unusual days.** Days far outside the tank's normal day-to-day variation (robust z-score above 3.5). Runs of several unusual days in the same direction count as one sustained loss, not separate events.
- **Deliveries.** Measured gain across the drop compared with the BOL. Tolerance is the larger of 0.5% and 25 gal.
- **Dollar figures** use \$3.20/gal and cover only losses tied to a specific cause. They are estimates.

Limits

This report is based only on the readings provided, as given. Volumes are not temperature-corrected unless the source data was. It is an inventory record review and loss analysis. **It is not a certified release detection method** and does not replace your tank's required leak detection or a tightness test. If a finding suggests a possible release, follow your state's reporting rules.

Your data

The readings you sent were used only to prepare this report and are deleted afterwards.

Want this every day instead of once?

Wetstock reconciles your tanks daily from the readings you already take and keeps the monthly EPA record ready to print.

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