Data Chart for Tank System Tightness Test

PLEASE PRINT

1. OWNER Property ☒ Tank(s) ☐

100 BOSWORTH STREET REALTY PARTNERSHIP (401)944-5655
Name / Address / Zip / Representative / Telephone

Mr. Piero Maggiacomo 46 Kent View Drive, Hope RI 02831
Name / Address / Zip / Representative / Telephone

2. OPERATOR

100 Bosworth Street Realty Partnership (401)944-5655
Name / Address / Zip / Telephone

100 Bosworth Street, Prov. RI

3. REASON FOR TEST (Explain Fully)

Compliance with Federal, State and Local Regulations. Criteria Established by National Fire Protection Association # 329.

4. WHO REQUESTED TEST AND WHEN

Mr. Piero Maggiacomo Owner 100 Bosworth Street Realty July 1992
Name / Title / Company or Affiliation / Date

46 Kent View Drive, Hope RI 02831 (401)944-5655
Address / Zip / Telephone

5. TANK INVOLVED — Use additional lines for manifolded tanks

Identify by Direction	Capacity	Brand/Supplier	Grade	Approx. Age	Steel/Fiberglass
Rear Right Building	10,000	Riechert & Son	#2 Fuel Oil	16 Yrs.	Steel

6. INSTALLATION DATA

Location	Cover	Fills	Vents	Siphones	Pumps
Rear Right Building	Exposed	3"	2"	None	Suction
North inside driveway, Rear of station, etc.	Concrete, Black Top, Earth, etc.	Size, Thiefs make, Drop tubes, Remote Fills	Size, Manifolded	Which tanks?	Suction, Remote, Make if known

7. UNDERGROUND WATER

Depth to the water table from grade 103 " MW

Is the water over the tank? ☒ Yes ☐ No

8. FILL-UP ARRANGEMENTS

Tanks to be filled 0700 hr. 07- Date Arranged by Mr. Piero Maggiacomo (401)944-5655
Name / Telephone

Extra product to "top off" and run tank tester. How and who to provide? Consider NO Lead.

Reichert & Son

Terminal or other contact for notice or inquiry
Company / Name / Telephone

9. CONTRACTOR, MECHANICS, any other contractor involved

10. OTHER INFORMATION OR REMARKS

Test results reflect the condition of the system on the date tested only. No conclusions for future condition can be drawn from these test results.

Additional information on any items above. Officials or others to be advised when testing is in progress or completed. Visitors or observers present during test, etc.

11. TEST METHOD

☒ PETRO TITE II ☐ PETRO COMP ☐ QUICK CHECK 2000

11a. TEST RESULTS

Tests were made on the above tank systems in accordance with test procedures prescribed for as detailed on attached test charts with results as follows:

Tank Identification	Tight	Net Volume Change Per Hour	Date Tested
10,000/#2 Fuel Oil	YES	-0.042 GPH	07-23-92

12. SENSOR CERTIFICATION

06-24-91
Date

597
Serial No. of Thermal Sensor

13. CONTRACTOR CERTIFICATION

Technicians

1. Antonio B. Martinez
Certification # 121391 B 0351
12-13-93

2. _____
Certification # _____

Precision Testing Company
Testing Contractor or Company By: Signature

120 Naples Avenue, Warwick RI 02886
Address

PN6827

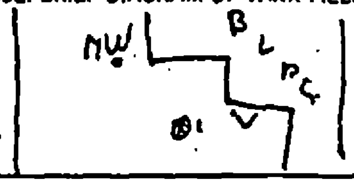
Mozzyuomo | 100 Bosworth | Prov | RI | 07/23/92
Name of Supplier, Owner or Dealer | Address No. and Street(s) | City | State | Date of Test

15. TANK TO TEST

Rear of Bldg.
Identify by position

#2 F.O.
Brand and Grade

15a. BRIEF DIAGRAM OF TANK FIELD



16. CAPACITY

Nominal Capacity 10,000 Gallons

By most accurate capacity chart available 10,094 Gallons

From
- [ ] Station Chart
- [ ] Tank Manufacturer's Chart
- [ ] Company Engineering Data
- [x] Charts supplied with
- [ ] Other

17. FILL-UP FOR TEST

Stick Water Bottom before Fill-up 0 in. to ⅛" | 0 Gallons | 126 in. Tank Diameter

		Gallons	Total Gallons on Reading
Inventory			10,094
		10	0
		7.0	7
			10,111

Transfer total to line 25a

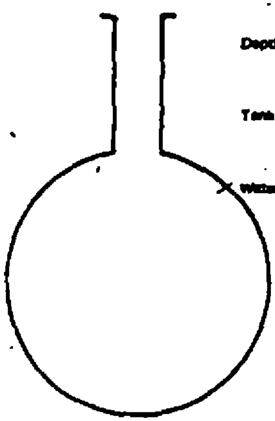
18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK ☐ Water in tank ☐ Line(s) being tested with LVLLT ☐ High water table in tank excavation

See manual sections applicable. Check below and record procedure in log (27).

Use maximum allowable test pressure for all tests.
Four pound rule does not apply to doublewalled tanks.

Complete section below:

1. Is four pound rule required? Yes ☑ No ☐
2. Height to 12" mark from bottom of tank 67 in.
3. Pressure at bottom of tank 4 P.S.I.
4. Pressure at top of tank 5 P.S.I.



Depth of burial 30 in.

Tank dia. 126 in.

Water table 112" in.

NOTES: 112 x .036 = 4.032
4.032 + 4 = 8.032
8.032 ÷ .036 = 223
223 − 156 = 67"

The above calculations are to be used for dry soil conditions to establish a positive pressure advantage, or when using the four pound rule to compensate for the presence of subsurface water in the tank area.

Refer to N.F.P.A. 30, Sections 2-3.2.4 and 2-7.2 and the tank manufacturer regarding allowable system test pressures.

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY

Bottom of tank to grade* .... 156 in.
Add 30" for "T" probe assy. .... 30 in.
Total tubing to assemble — approximate .... in.

20. EXTENSION HOSE SETTING

Tank top to grade* .... 30 in.
Extend hose on suction tube 6" or more below tank top .... in.

*If Fill pipe extends above grade, use top of fill.

22. Thermal-Sensor reading after circulation ______ digits ______ °F Between

23. Digits per °F in range of expected change ______ digits

COEFFICIENT OF EXPANSION (Complete after circulation)

24a. Corrected A.P.I. Gravity

Observed A.P.I. Gravity ....
Hydrometer employed .... H
Observed Sample Temperature .... °F
Corrected A.P.I. Gravity @ 60°F, From Table A ....
Coefficient of Expansion for Involved Product From Table B ....
Transfer COE to Line 25b.

21. VAPOR RECOVERY SYSTEM ☐ Stage I ☐ Stage II

24b. COEFFICIENT OF EXPANSION RECIPROCAL METHOD

Type of Product .... #2 FO
Hydrometer Employed .... 4 H
Temperature in Tank After Circulation .... 75 °F
Temperature of Sample .... 71 °F
Difference (+/-) .... −4 °F
Observed A.P.I. Gravity 27.2
Reciprocal 2298 Page # 28

10,111 ÷ 2298 = 4.39991
Total quantity in full tank (16 or 17) | Reciprocal | Volume change in this tank per °F
Transfer to Line 26a.

24c. FOR TESTING WITH WATER see Table C & D

Water Temperature after Circulation Table C .... °F
Coefficient of Water Table D ....
Added Surfactant? ☐ Yes ☐ No Transfer COE to Line 25b.

25. (a) ______ Total quantity in full tank (16 or 17) × (b) ______ Coefficient of expansion for involved product = (c) ______ gallons Volume change in this tank per °F

26. (a) 4.39991 Volume change per °F (25 or 24b) ÷ 1000 Digits per °F in test Range (23) = .00439 Volume change per digit. This is test .0044

	Arrived at test location		Took Measurements			Checked for Water							
	Pump Primed and running		Took A.P.I. Sample										
							804						
	HIGH LEVEL TEST	1		42	0.880	0.830	-0.050	833	+ 29	+0.128	-0.178		(0.0044)
		2		42	0.830	0.740	-0.090	854	+ 21	+0.092	-0.182		
		3		42	0.740	0.740	+0.000	877	+ 23	+0.101	-0.101		
		4		42	0.740	0.700	-0.040	897	+ 20	+0.088	-0.128		
		5		42	0.700	0.680	-0.020	915	+ 18	+0.079	-0.099		
		6		42	0.680	0.690	+0.010	937	+ 22	+0.097	-0.087		
		7		42	0.690	0.720	+0.030	958	+ 21	+0.092	-0.062		
		8		42	0.720	0.770	+0.050	981	+ 23	+0.101	-0.051		
		9		42									
		10		42				990					
		11		42	0.060	0.190	+0.130	010	+ 20	+0.088	+0.042		
		12		42	0.190	0.260	+0.070	028	+ 18	+0.079	-0.009		
	LOW LEVEL TEST	13		12	0.260	0.290	+0.030	035	+ 7	+0.031	-0.001	-0.001	
		14		12	0.290	0.310	+0.020	040	+ 5	+0.022	-0.002	-0.003	
		15		12	0.310	0.330	+0.020	046	+ 6	+0.026	-0.006	-0.009	
		16		12	0.330	0.350	+0.020	050	+ 4	+0.018	+0.002	-0.007	
		17		12	0.350	0.360	+0.010	054	+ 4	+0.018	-0.008	-0.015	
		18		12	0.360	0.380	+0.020	060	+ 6	+0.026	-0.006	-0.021	
		19		12	0.380	0.410	+0.030	067	+ 7	+0.031	-0.001	-0.022	
		20		12	0.410	0.420	+0.010	070	+ 3	+0.013	-0.003	-0.025	
		21		12	0.420	0.440	+0.020	075	+ 5	+0.022	-0.002	-0.027	
		22		12	0.440	0.460	+0.020	081	+ 6	+0.026	-0.006	-0.033	
		23		12	0.460	0.480	+0.020	086	+ 5	+0.022	-0.002	-0.035	
		24		12	0.480	0.500	+0.020	091	+ 5	+0.022	-0.002	-0.037	
		25		12	0.500	0.510	+0.010	095	+ 4	+0.018	-0.008	-0.045	
		26		12	0.510	0.520	+0.010	098	+ 3	+0.013	-0.003	-0.048	
		27		12	0.520	0.540	+0.020	105	+ 7	+0.031	-0.011	-0.059	
		28		12	0.540	0.570	+0.030	111	+ 6	+0.026	+0.004	-0.055	
		29		12	0.570	0.590	+0.020	116	+ 5	+0.022	-0.002	-0.057	
		30		12	0.140	0.150	+0.010	119	+ 3	+0.013	-0.003	-0.060	
		31		12	0.150	0.170	+0.020	125	+ 6	+0.026	-0.006	-0.066	
		32		12	0.170	0.190	+0.020	130	+ 5	+0.022	-0.002	-0.068	
		33		12	0.190	0.210	+0.020	134	+ 4	+0.018	+0.002	-0.066	
		34		12	0.210	0.220	+0.010	139	+ 5	+0.022	-0.012	-0.078	
		35		12	0.220	0.240	+0.020	143	+ 4	+0.018	+0.002	-0.076	
		36		12	0.240	0.250	+0.010	147	+ 4	+0.018	-0.008	-0.084	12 = -0.042 GPH
	AGE:												
	FILL SIZE:												
	VENT SIZE:												
	COVER:												
	WATER TABLE:												

P-T Tank Test Data Chart
Additional Info
-0.042 GPH

1 Net Volume Change at Conclusion of Precision Test ___ gph

Signature of Tester _____

Date _____

2 Statement:

[ ] Tank and product handling system has been tested right according to the Precision Test Criteria as established by N.F.P.A. publication 329. This is not intended to indicate performance of a test.

OR

[ ] Tank and product handling system has failed the tank tightness test according to the Precision Test Criteria as established by N.F.P.A. publication 329.

It is the responsibility of the owner and/or operator of this system to immediately advise state and local authorities of any implied failure and the possibility of any reportable pollution to the environment as a result of the suspected failure of this system. Health Consultants Incorporated does not assume any responsibility or liability for any loss of product to the environment.

Tank Owner/Operator _____

Date _____