

Tested By: Day
 Results: 7-10-81
 Date of Test:
 Tanks:
 Street Number, Corner, City and State: 183 Levellias S. Loserzo
 Customers Name or Company Ident.: Graco Petro
 Form No. 68-1000
TANK-TEST

7 OPERATOR Graco Petro
 Name Address - Same for Mailing YES NO Telephone

8 OWNER (If not Operator)
 Name Address Representative Telephone

9 REASON FOR TEST (Explain Fully)

10 WHO REQUESTED TEST AND WHEN
 Name Dale Seize Title Company or Affiliation Date
 Address Telephone

REMARKS

By _____
 Signature

Tank Ident.	Capacity	Brand or Supplier	Grade	Approx. Age
<u>Middle</u>	<u>4000</u>	<u>Super...</u>	<u>Super</u>	

Location	Cover	Fills	Vents	Syphons	Pumps
<u>Side</u>	<u>A.C.</u>	<u>4"</u>	<u>2"</u>	<u>None</u>	<u>Suc.</u>

Driveway, Rear, etc. Concrete, Earth, etc. Size(s) & Type(s) or Make(s) Size? Monofolded? What Tanks? Suction, Remote.

13 PRODUCT SOURCE
 Company Person or Position to Contact Location Telephone

14 FILL-UP PAYMENT
 Usual Credit Terms Arranged or Approved by _____
 C. O. D. Title _____
 Other _____ Location _____ Telephone _____

15 MECHANIC OR CONTRACTOR
EAGLE & Paradise
 Name Address Telephone Assigned By

REMARKS ON ITEMS 11 THRU 15

By _____
 Signature

16 TEST RESULTS
 Tests were made on the above tank systems in accordance with test procedures prescribed for Kent-Moore Tank Systems Tightness Tester Model 1000 as detailed on attached test charts with results as follows:

Tank Ident.	Tight	Leakage Indicated	Date Tested
<u>Middle</u>	<u>Yes</u>	<u>x+. 006</u>	<u>7-10-81</u>

17 CERTIFICATION
 This is to certify that these tank systems were tested on the date(s) shown. Those indicated as "Tight" meet the criteria established by the National Fire Protection Association Pamphlet 329.
7-10-81 X
 Date Signature

18 TANK Middle Identify by # or Position PRODUCT Super Brand and Grade CAPACITY 4,000 Gallons LAST DELIVERY 7-10-81 Date

19 PRODUCT QUANTITY GALLONS

STICK READINGS BEFORE FILL-UP *Water Bottom _____ to 1/8 in. gallons Product Inventory _____ to 1/8 in.

FILL-UP DELIVERY (Take Temperature on Truck) (Meter Off) _____

ADDED TO FILL TESTER TO 12" (Fill Hoses - Prime Pump) _____

TOTAL QUANTITY IN SYSTEM _____

20 TEMPERATURE

INVENTORY _____ °F

ON TRUCK _____ °F

IN FULL TANK _____ °F

CHANGE TO EXPECT DURING TEST _____ °F

+ or -

21 MEASUREMENTS

TANK LENGTH _____ "

To Compute Length of Discharge Tube

TANK DIAMETER _____ "

TANK TOP TO GRADE _____ "

ELBOW FLANGE ABOVE GRADE _____ "

NEEDED TO CONNECT 21 "

+ or - 6"

LENGTH TO ASSEMBLE _____ "

22 TEMPERATURE / VOLUME FACTOR (a) TO TEST THIS TANK

23 THERMAL-SENSOR READING AFTER CIRCULATION 195.30 Letter 82 °F Units Nearest

24 UNITS PER °F IN RANGE OF EXPECTED CHANGE 308 Units

25 4,000 Total Quantity (19) x .0006 Coefficient of Expansion for Involved Product = 2.4 Gallons Volume Change in this System per °F

26 2.4 Volume Change per °F (25) x 308 Units per °F in Test Range (24) = .008 Gallons Volume Change per Unit Compute to 3 Dec. Places

This Test Factor (a)

27 LOG OF TEST PROCEDURES

28 Date	29 Record Each Step of Setting Up and Running Test	30 Reading No.
Time		
8:30	Set up unit	
9:00	Brought to 42" high	1
9:15	42"	2
9:30	42"	3
9:45	42"	4
10:00	42"	5
10:15	47"	1

31 VOLUME MEASUREMENTS

32 Stand Pipe Level		33 Product Added - Drained + (v)
Before	After	
2.00	.65	1.35
1.00	.72	.28
1.00	.85	.15
.85	.76	.09
.76	.69	.07
.69	.64	.05

34 TEMPERATURE CHANGES

35 Thermal-Sensor Reading	36 Change Higher + Lower - (c)	37 Expansion or Contraction This Reading (c)x(a)=(t)
19700		
19702	+2	.016
19718	+16	.128
19720	+2	.016
19721	+11	

38 NET VOLUME CHANGES

39 This Reading Volume (v) Adjusted for (t) (v) ± (t)	40 Accumulate
+166	+446
+218	+664
+086	+750
	+*

27 LOG OF TEST PROCEDURES			31 VOLUME MEASUREMENTS			34 TEMPERATURE CHANGES			38 NET VOLUME CHANGES	
28 Date	29 Record Each Step of Setting Up and Running Test	30 Reading No.	32 Stand Pipe Level		33 Product Added - Drained + (v)	35 Thermal-Sensor Reading	36 Change Higher + Lower - (c)	37 Expansion or Contraction This Reading (c) x (a) = (t)	39 This Reading Volume (v) Adjusted for (t) (v) ± (t)	40 Accumulate
10:30	42"	7	63 41	59 42	- .04	19724	- 3	-.024	-.016	+.848
10:45	42"	8	59 41.25	56 42	- .03	19724	+ 3	+.024	+.054	+.902
	Drop to 12" low			1.35	=	6.25	-	-.100		
11:00	12"	9	25 12.5	27 12	+ .02	19727	+ 3	+.024	+.004	
11:15	12"	10	27 12	27 12	+ .00	19728	+ 1	+.008	+.008	
						*				
							T.G.H.		006	

.008
Accumulate
~~+.832~~

Tested By: J. L.
 Result: 7.66
 Date of Test: 7-9-81
 Tanks: 1
 Street Number, Corner, City and State: 183 Leavelle S. Lovato
 Customers Name or Company Ident.: Glaco
 Form No. 68-1000

7 OPERATOR Graco Petio
 Name Address - Some for Mailing YES NO Telephone

8 OWNER (If not Operator)
 Name Address Representative Telephone

9 REASON FOR TEST (Explain Fully)

10 WHO REQUESTED TEST AND WHEN
 Name Dale Seise Title Company or Affiliation Date
 Address Telephone

REMARKS

By _____
Signature

Tank Ident.	Capacity	Brand or Supplier	Grade	Approx. Age
<u>West.</u>	<u>4000</u>		<u>ReB.</u>	

Location	Cover	Fills	Vents	Syphons	Pumps
<u>Side</u>	<u>A.C.</u>	<u>4"</u>	<u>2"</u>	<u>None</u>	<u>Suc.</u>
<small>Driveway, Recr., etc.</small>	<small>Concrete, Earth, etc.</small>	<small>Size(s) & Type(s) or Make(s)</small>	<small>Size? Monofolded?</small>	<small>What Tanks?</small>	<small>Suction, Remote.</small>

13 PRODUCT SOURCE
 Company Person or Position to Contact Location Telephone

14 FILL-UP PAYMENT
 Usual Credit Terms Arranged or Approved by _____
 C. O. D. Title _____
 Other _____ Location _____ Telephone _____

15 MECHANIC OR CONTRACTOR ENBOW & OPERATIO CO.
 Name Address Telephone Assigned By

REMARKS ON ITEMS 11 THRU 15

By _____
Signature

16 TEST RESULTS

Tests were made on the above tank systems in accordance with test procedures prescribed for Kent-Moore Tank Systems Tightness Tester Model 1000 as detailed on attached test charts with results as follows

Tank Ident.	Tight	Leakage Indicated	Date Tested
<u>West.</u>	<u>yes</u>	<u>r. 0.26</u>	<u>7-9-81</u>

17 CERTIFICATION
 This is to certify that these tank systems were tested on the date(s) shown. Those indicated as "Tight" meet the criteria established by the National Fire Protection Association NFPA 329.
7-9-81
 Date Signature [Signature]

18 TANK West PRODUCT Rec CAPACITY 4,000 LAST DELIVERY 7-9-81
Identify by # or Position Brand and Grade Gallons Date

19 PRODUCT QUANTITY GALLONS

STICK READINGS BEFORE FILL-UP Water Bottom _____ to 1/8 in. gallons Product Inventory _____ to 1/8 in.

FILL-UP DELIVERY (Take Temperature on Truck) (Meter Off) _____

ADDED TO FILL TESTER TO 12" (Fill Hoses - Prime Pump) _____

TOTAL QUANTITY IN SYSTEM _____

20 TEMPERATURE °F

INVENTORY _____ °F

ON TRUCK _____ °F

IN FULL TANK _____ °F

CHANGE TO EXPECT DURING TEST _____ °F
+ or -

21 MEASUREMENTS

TANK LENGTH _____ "
To Compute Length of Discharge Tube

TANK DIAMETER _____ "

TANK TOP TO GRADE _____ "

ELBOW FLANGE ABOVE GRADE _____ "

NEEDED TO CONNECT 21 "
+ or - 6"

LENGTH TO ASSEMBLE _____ "

22 TEMPERATURE / VOLUME FACTOR (a) TO TEST THIS TANK

23 THERMAL-SENSOR READING AFTER CIRCULATION 20480 85 °F
Letter Units Nearest

24 UNITS PER °F IN RANGE OF EXPECTED CHANGE 309
Units

25 4,000 X 1.0006 = 2.4 Gallons
Total Quantity (19) Coefficient of Expansion for Involved Product Volume Change in this System per °F

26 2.4 ÷ 309 = .008 Gallons
Volume Change per °F (25) Units per °F in Test Range (24) Volume Change per Unit Compute to 3 Dec. Places

27 LOG OF TEST PROCEDURES

28 Date	29 Record Each Step of Setting Up and Running Test	30 Reading No.
Time		
1:00	Set up Unit	
1:30	Brought to 42"	1
1:45	42"	2
2:00	42"	3
2:15	42"	4
2:30	42"	5
9:45	47"	6

31 VOLUME MEASUREMENTS

32 Stand Pipe Level		33 Product Added - Drained + (v)
Before	After	
2.00	46	1.54
1.00	42	.52
1.00	36	.26
1.00	42	.25
1.00	36	.25
1.00	42	.25
1.00	47	.20

34 TEMPERATURE CHANGES

35 Thermal-Sensor Reading	36 Change Higher + Lower - (c)	37 Expansion or Contraction This Reading (c) x (a) = (t)
20474		
20458	16	.128
20452	6	.048
20440	12	.096
	10	.080

38 NET VOLUME CHANGES

39 This Reading Volume (v) Adjusted for (t) (v) ± (t)	40 Accumulate
.132	+ .652
.202	+ .854
.154	+ 1.008
	+ 1.170

27 LOG OF TEST PROCEDURES			31 VOLUME MEASUREMENTS			34 TEMPERATURE CHANGES			38 NET VOLUME CHANGE:	
28 Date	29 Record Each Step of Setting Up and Running Test	30 Reading No.	32 Stand Pipe Level		33 Product Added - Drained + (v)	35 Thermal-Sensor Reading	36 Change Higher + Lower - (c)	37 Expansion or Contraction (This Reading (c) x (a) = (i))	39 This Reading Volume (v) Adjusted for (i) (v) ± (i)	40 Accumulate
Time			Before	After						
3:00	42"	7	1.00 37.8	.84 42	-.16	20430	-10	-.08	.08	.008
3:15	42"	8	1.00 38	.82 42	-.18	20410	-10	-.08	.10	1.208
3:30	42"	9	.82 38.5	.68 42	-.14	20400	-10	-.08	.06	1.308
	Drop to 12" Low			1.54	-	1.26	=	(.28)		
3:45	12"	10	1.00 40.75	.85 12	.05	20395	-5	-.04	.01	
4:00	12"	11	1.09 40.00	.91 12	.09	20389	-6	-.048	.042	
4:15	12"	12	1.00 95	.90 12	.10	20375	-16	-.128	.028	

1.617 .026

Tested By: Day
 Date of Test: 7-10-81
 Results: 1664
 Tanks: 1
 Street Number, Corner, City and State: 1873 Levellias S. Losora
 Customers Name or Company Ident.: Graco Petro
 Form No. 68-1000
TANK-TEST

7 OPERATOR Graco Petro
 Name Address - Same for Mailing YES NO Telephone _____

8 OWNER (If not Operator)
 Name Address Representative Telephone _____

9 REASON FOR TEST (Explain Fully)

10 WHO REQUESTED TEST AND WHEN
 Name Dale Seize Title _____ Company or Affiliation _____ Date _____
 Address _____ Telephone _____

REMARKS

 By _____
 Signature _____

11 TANK(S) INVOLVED	Tank Ident.	Capacity	Brand or Supplier		Grade	Approx. Age
	<u>Middle</u>	<u>4000</u>	<u>Super</u>	<u>Super</u>	<u>Super</u>	

12 INSTALLATION DATA	Location	Cover	Fills	Vents	Syphons	Pumps
	<u>Side</u>	<u>A.C.</u>	<u>4"</u>	<u>2"</u>	<u>None</u>	<u>Suc.</u>

Driveway, Rear, etc. Concrete, Earth, etc. Size(s) & Type(s) or Make(s) Size? Manifoldd? What Tanks? Suction, Remote.

13 PRODUCT SOURCE
 Company Person or Position to Contact Location Telephone _____

14 FILL-UP PAYMENT
 Usual Credit Terms Arranged or Approved by _____
 C. O. D. Title _____
 Other _____ Location _____ Telephone _____

15 MECHANIC OR CONTRACTOR
EAGrow + Paradise
 Name Address Telephone Assigned By _____

REMARKS ON ITEMS 11 THRU 15

 By _____
 Signature _____

16 TEST RESULTS
 Tests were made on the above tank systems in accordance with test procedures prescribed for Kent-Moore Tank Systems Tightness Tester Model 1000 as detailed on attached test charts with results as follows:

Tank Ident.	Tight	Leakage Indicated	Date Tested
<u>Middle</u>	<u>Yes</u>	<u>+ .006</u>	<u>7-10-81</u>

17 CERTIFICATION
 This is to certify that these tank systems were tested on the date(s) shown. Those indicated as "Tight" meet the criteria established by the National Fire Protection Association Pamphlet 329.
7-10-81
 Date Signature _____

10 TANK Middle Identify by # or Position PRODUCT Super Brand and Grade CAPACITY 4,000 Gallons LAST DELIVERY 7-10-81 Date

19 PRODUCT QUANTITY GALLONS

STICK READINGS BEFORE FILL-UP Water Bottom _____ to 1/8 in. gallons Product Inventory _____ to 1/8 in. gallons

FILL-UP DELIVERY (Take Temperature on Truck) (Meter Off)

ADDED TO FILL TESTER TO 12" (Fill Hoses - Prime Pump)

TOTAL QUANTITY IN SYSTEM

20 TEMPERATURE

INVENTORY _____ °F

ON TRUCK _____ °F

IN FULL TANK _____ °F

CHANGE TO EXPECT DURING TEST _____ °F

+ or -

21 MEASUREMENTS

TANK LENGTH _____ "

To Compute Length of Discharge Tube

TANK DIAMETER _____ "

TANK TOP TO GRADE _____ "

ELBOW FLANGE ABOVE GRADE _____ "

NEEDED TO CONNECT 21 "

+ or - 6"

LENGTH TO ASSEMBLE _____ "

22 TEMPERATURE / VOLUME FACTOR (a) TO TEST THIS TANK

23 THERMAL-SENSOR READING AFTER CIRCULATION 195.30 Letter 82 °F Units Nearest

24 UNITS PER °F IN RANGE OF EXPECTED CHANGE 308 Units

25 4,000 Total Quantity (19) × .0006 Coefficient of Expansion for Involved Product = 2.4 Gallons Volume Change in this System per °F

26 2.4 Volume Change per °F (25) ÷ 308 Units per °F in Test Range (24) = .008 Gallons Volume Change per Unit Compute to 3 Dec. Places

This Test Factor (a)

27 LOG OF TEST PROCEDURES

28 Date	29 Record Each Step of Setting Up and Running Test	30 Reading No.
Time		
8:30	Set up unit	
9:00	Brought to 42" high	1
9:15	42"	2
9:30	42"	3
9:45	42"	4
10:00	42"	5
10:15	42"	1

31 VOLUME MEASUREMENTS

32 Stand Pipe Level		33 Product Added - Drained + (v)
Before	After	
2.00	.65	7.35
1.00	.72	.28
1.00	.85	.15
.85	.76	.09
.76	.69	.07
.69	.64	.05

34 TEMPERATURE CHANGES

35 Thermal-Sensor Reading	36 Change Higher + Lower - (c)	37 Expansion or Contraction This Reading (c) × (a) = (t)
19700		
19702	+2	+ .016
19718	+16	+ .128
19720	+2	+ .016

38 NET VOLUME CHANGES

39 This Reading Volume (v) Adjusted for (t) (v) ± (t)	40 Accumulate
+166	+446
+218	+664
+086	+750

USING KENT-MOORE CORPORATION TANK SYSTEM TIGHTNESS TESTER MODEL 1000

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728 (Please Print)

Tested By: Glaco
 Date of Test: 7-9-81
 Result: Tight
 Tanks: 1
 Street Number, Corner, City and State: 183 Leaveling S. Lopez
 Customers Name or Company Ident.: Glaco
 Form No. 68-1000

7 OPERATOR Graco Petro
 Name Address - Some for Mailing YES NO Telephone

8 OWNER (If not Operator)
 Name Address Representative Telephone

9 REASON FOR TEST (Explain Fully)

10 WHO REQUESTED TEST AND WHEN
 Name John Seise Title Company or Affiliation Date
 Address Telephone

REMARKS

By _____
 Signature

11 TANK(S) INVOLVED	Tank Ident.	Capacity	Brand or Supplier		Grade	Approx. Age
	<u>West</u>	<u>4000</u>			<u>REG.</u>	

12 INSTALLATION DATA	Location	Cover	Fills	Vents	Syphons	Pumps
	<u>Side</u> <small>Driveway, Rear, etc.</small>	<u>A.C.</u> <small>Concrete, Earth, etc.</small>	<u>4"</u> <small>Size(s) & Type(s) or Make(s)</small>	<u>2"</u> <small>Size? Monoloided?</small>	<u>NONE</u> <small>What Tanks?</small>	<u>SUC.</u> <small>Suction, Remote, etc.</small>

13 PRODUCT SOURCE
 Company Person or Position to Contact Location Telephone

14 FILL-UP PAYMENT
 Usual Credit Terms Arranged or Approved by _____
 C. O. D. Title _____
 Other _____ Location _____ Telephone _____

15 MECHANIC OR CONTRACTOR
ENBOW & OPERADISU CO.
 Name Address Telephone Assigned By

REMARKS ON ITEMS 11 THRU 15

By _____
 Signature

16 TEST RESULTS

Tests were made on the above tank systems in accordance with test procedures prescribed for Kent-Moore Tank Systems Tightness Tester Model 1000 as detailed on attached test charts with results as follows

Tank Ident.	Tight	Leakage Indicated	Date Tested
<u>West</u>	<u>yes</u>	<u>r. 0.26</u>	<u>7-9-81</u>

17 CERTIFICATION
 This is to certify that these tank systems were tested on the date(s) shown. Those indicated as "Tight" meet the criteria established by the National Fire Protection Association, NFPA 329.
7-9-81
 Date Signature Paul Jones

18 TANK West PRODUCT Peo CAPACITY 4,000 LAST DELIVERY 7-9-81
Identify by # or Position Brand and Grade Gallons Date

19 PRODUCT QUANTITY		GALLONS	20 TEMPERATURE	
STICK READINGS BEFORE FILL-UP	Water Bottom _____	_____	INVENTORY	_____ °F
	to 1/8 in. gallons	_____	ON TRUCK	_____ °F
FILL-UP DELIVERY (Take Temperature on Truck) (Meter Off)	Product Inventory _____	_____	IN FULL TANK	_____ °F
	to 1/8 In. _____	_____	CHANGE TO EXPECT DURING TEST	_____ °F
ADDED TO FILL TESTER TO 12" (Fill Hoses - Prime Pump)	_____	_____		+ or -
TOTAL QUANTITY IN SYSTEM	_____	_____		

21 MEASUREMENTS

TANK LENGTH _____"
To Compute Length of Discharge Tube

TANK DIAMETER _____"

TANK TOP TO GRADE _____"

ELBOW FLANGE ABOVE GRADE _____"

NEEDED TO CONNECT 21"
+ or - 6"

LENGTH TO ASSEMBLE _____"

22 TEMPERATURE / VOLUME FACTOR (a) TO TEST THIS TANK

23 THERMAL-SENSOR READING AFTER CIRCULATION 20480 85°F
Letter Units Nearest

24 UNITS PER °F IN RANGE OF EXPECTED CHANGE 309
Units

25 $\frac{4,000}{\text{Total Quantity (19)}} \times \frac{1,0006}{\text{Coefficient of Expansion for Involved Product}} = \frac{2.4}{\text{Volume Change in this System per } ^\circ\text{F}}$ 2.4 Gallons

26 $\frac{2.4}{\text{Volume Change per } ^\circ\text{F (25)}} \div \frac{309}{\text{Units per } ^\circ\text{F in Test Range (24)}} = \frac{.008}{\text{Volume Change per Unit Compute to 3 Dec. Places}}$.008 Gallons This Test Factor (o)

27 LOG OF TEST PROCEDURES

28 Date	29 Record Each Step of Setting Up and Running Test	30 Reading No.
Time		
1:00	Set up unit	
1:30	Brought to 42"	1
1:45	42"	2
2:00	42"	3
2:15	42"	4
2:30	42"	5
9:45	47"	6

31 VOLUME MEASUREMENTS

32 Stand Pipe Level		33 Product Added - Drained + (v)
Before	After	
2.00	.46	1.54
1.00	.48	.52
1.00	.74	.26
1.00	.75	.25
1.00	.75	.25
1.00	.80	.20

34 TEMPERATURE CHANGES

35 Thermal-Sensor Reading	36 Change Higher + Lower - (c)	37 Expansion or Contraction This Reading (c) x (a) = (t)
20474		
20458	16	.128
20452	6	.048
20440	12	.096
	10	.080

38 NET VOLUME CHANGES

39 This Reading Volume (v) Adjusted for (t) (v) ± (t)	40 Accumulated
.132	+6.52
.202	+8.54
.154	+1.008
	+1.179

27 LOG OF TEST PROCEDURES			31 VOLUME MEASUREMENTS			34 TEMPERATURE CHANGES			38 NET VOLUME CHANGE:	
28 Date	29 Record Each Step of Setting Up and Running Test	30 Reading No.	32 Stand Pipe Level		33 Product Added - Drained + (v)	35 Thermal-Sensor Reading	36 Change Higher + Lower - (c)	37 Expansion or Contraction This Reading (c) x (a) = (t)	39 This Reading Volume (v) Adjusted for (t) (v) ± (t)	40 Accumulated
Time			Before	After						
3:00	42"	7	1.00 3.28	.84 42	-.16	20430	-10	-.08	.08	.008
3:15	42"	8	1.00 3.8	.82 42	-.18	20410	-10	-.08	.10	1.128
3:30	42"	9	.82 3.85	.68 42	-.14	20400	-10	-.08	.06	1.208
	Drop to 12" Low			1.54	-	1.26	=	(.28)		1.308
3:45	12"	10	1.00 10.35	.95 12	-.05	20395	-5	-.04	.01	1.368
4:00	12"	11	1.00 9.90	.91 12	-.09	20389	-6	-.048	.042	
4:15	12"	12	1.00 9.5	.90 12	-.10	20373	-16	-.128	.028	

7.647 .026