



CHAMPION'S PRECISION TANK TESTING  
2308 Harvard St., Sacramento, Ca. 95818  
800-660-9443

90 OCT 31 AM 11:38

October 25, 1990

Alameda County Environmental Health  
470 27th Street Room # 322  
Oakland, California 94612

Re: Storage Tank Test Results for: RMC Lonestar Industries  
Location: Calvares Rd., Sunol, Ca.

Test Date: 10-19-90  
Job#90CC639

Dear Sirs:

This letter is to advise you that we have completed testing of the captioned tanks. Enclosed please find your copies of the test results for your information.

If you have any questions regarding this test, or if we may be of any further assistance, please do not hesitate to contact this office.

Sincerely,

Chet Champion, Owner  
CHAMPION'S PRECISION TANK TESTING

ENCL.

CALIFORNIA STATE LICENSED TANK TESTERS

William Campbell 92-1324 Alvin Milburn 92-1409 Bert Madison 91-1233

# Data Chart for Tank System Tightness Test



PLEASE PRINT

**1. OWNER** Property  Tank(s)

RMC Lonestar Industries P.O. Box 5252 Pleasanton, Ca. 94566  
 Name Address Representative Telephone  
 Name Address Representative Telephone  
 Attn: Bradd Stately

**2. OPERATOR**

RMC CALAUERAS RD SUNOL, CA  
 Name Address Telephone

**3. REASON FOR TEST** (Explain Fully)

REGULATION GOVERNING UNDERGROUND STORAGE OF HAZARDOUS SUBSTANCES  
 SUBCHAPTER 16 OF CHAPTER 3 OF TITLE 23 OF THE CALIFORNIA ADMINISTRATIVE CODE

**WHO REQUESTED TEST AND WHEN**

OWNER  
 Name Title Company or Affiliation Date  
 Address Telephone

**5. WHO IS PAYING FOR THIS TEST?**

OWNER  
 Company, Agency or Individual Person Authorizing Title Telephone  
 Billing Address City State Zip  
 Attention of: Order No. Other Instructions

**6. TANK(S) INVOLVED**

Identify by Direction	Capacity	Brand/Supplier	Grade	Approx. Age	Steel/Fiberglass
ELW	4000		UNLEADED		

**7. INSTALLATION DATA**

Location	Cover	Fills	Vents	Siphones	Pumps
SHOP AREA North inside driveway, Rear of station, etc.	CONCRETE Concrete, Black Top, Earth, etc.	ONE PER PK 3" Size, Trefill make, Drop tubes, Remote Fills	2" Size, Manifoldd		DELHEIM SUCTION Suction, Remote, Make if known

**8. UNDERGROUND WATER**

Depth to the Water table \_\_\_\_\_"  
 Is the water over the tank?  Yes  No

**9. FILL-UP ARRANGEMENTS**

Tanks to be filled 0800 hr. 10- Date Arranged by \_\_\_\_\_ Name Telephone  
 Extra product to "top off" and run TSTT. How and who to provide? Consider NO Lead.  
 TESTING 06  
 Terminal or other contact for notice or inquiry \_\_\_\_\_ Company Name Telephone

**10. CONTRACTOR, MECHANICS, any other contractor involved**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**11. OTHER INFORMATION OR REMARKS**

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.

**12. TEST RESULTS**

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

Tank Identification	Tight	Leakage Indicated	Date Tested
UNLEADED	NO	TEST TERMINATED SEE NOTES	10-

**13. 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.

10-19-90 Date  
 W. CAMPBELL  
 92-1324 Technician  
 CHAMPION'S PRECISION TANK TESTING  
 2308 HARVARD ST., SACRAMENTO, CA. 95815  
 920-440-0777 Address

P-T TANK TEST DATA CHART  
Additional Info

0100 DERIVE JOB SITE MEASURE BURN, CHECK FOR WATER IN TANK  
INSTALL AN AIR BLENDER ON THE AIR ELIMINATOR. SET UP FEET.  
REMOVE FROM TANK SYSTEM & FEET.

0845 START CIRCULATION.

TEST TERMINATED

CIRCULATED PRODUCT 2 HRS +, PRODUCT DROP FROM STAND PIPE  
AT THE END OF CIRCULATION WAS JUST AS FAST AS WHEN THE  
TEST STARTED. THE FIRST 45 MIN THERE WAS AN INDICATION OF  
AN AIR LOCK POCKET, BUT THEN GETTER THAT JUST A STEADY  
DROP OF PRODUCT.

STAND PIPE DROPPED TO 12". TANK SHOWED SOME DEFLECTION  
IN A SMALL REBOUND BUT THEN STARTED A STEADY DROP.  
POSSIBLE LARGE AIR LOCK POCKET.

PETRO-CHECK, INC.  
PRESITE INSPECTION REPORT

Tank Owner \_\_\_\_\_  
Location 3 Miles South of Sausal, Sonol  
Contact \_\_\_\_\_

Station # R.M.C. Lone Star  
Phone # \_\_\_\_\_

Tank Size _____	R/UL 4,000	P/UL	REG	D.	OTHER
Tank Type _____	_____	_____	_____	_____	_____
Hoses Per Prod _____	<u>1</u>	_____	_____	_____	_____
Hoses Per Isle _____	<u>1</u>	_____	_____	_____	_____
Any high hose re- trievers? _____	<u>None</u>	_____	_____	_____	_____
Size fill riser _____	<u>3"</u>	_____	_____	_____	_____
Stage II VR (tanker) _____	<u>None</u>	_____	_____	_____	_____
Type overfill _____	<u>None</u>	_____	_____	_____	_____
Type Leak Detector _____	<u>None</u>	_____	_____	_____	_____
Any vent caps? _____	<u>No</u>	_____	_____	_____	_____
Type Turbine _____	<u>None</u>	_____	_____	_____	_____
Type Suction _____	<u>Takheita</u>	_____	_____	_____	_____

DESCRIBE THE FOLLOWING

1. Turbine pit and connections \_\_\_\_\_
2. Stage I VR System None \_\_\_\_\_
3. Vent System 2" \_\_\_\_\_
4. Any system that is manifolded None \_\_\_\_\_
5. Remote fills None \_\_\_\_\_
6. Any leaks or possible leaks? None \_\_\_\_\_
7. Water Table and how determined. Not known, no well part in Tank Pit
8. Any leak detection system? None \_\_\_\_\_

Suggestions to update or correct any part of location:

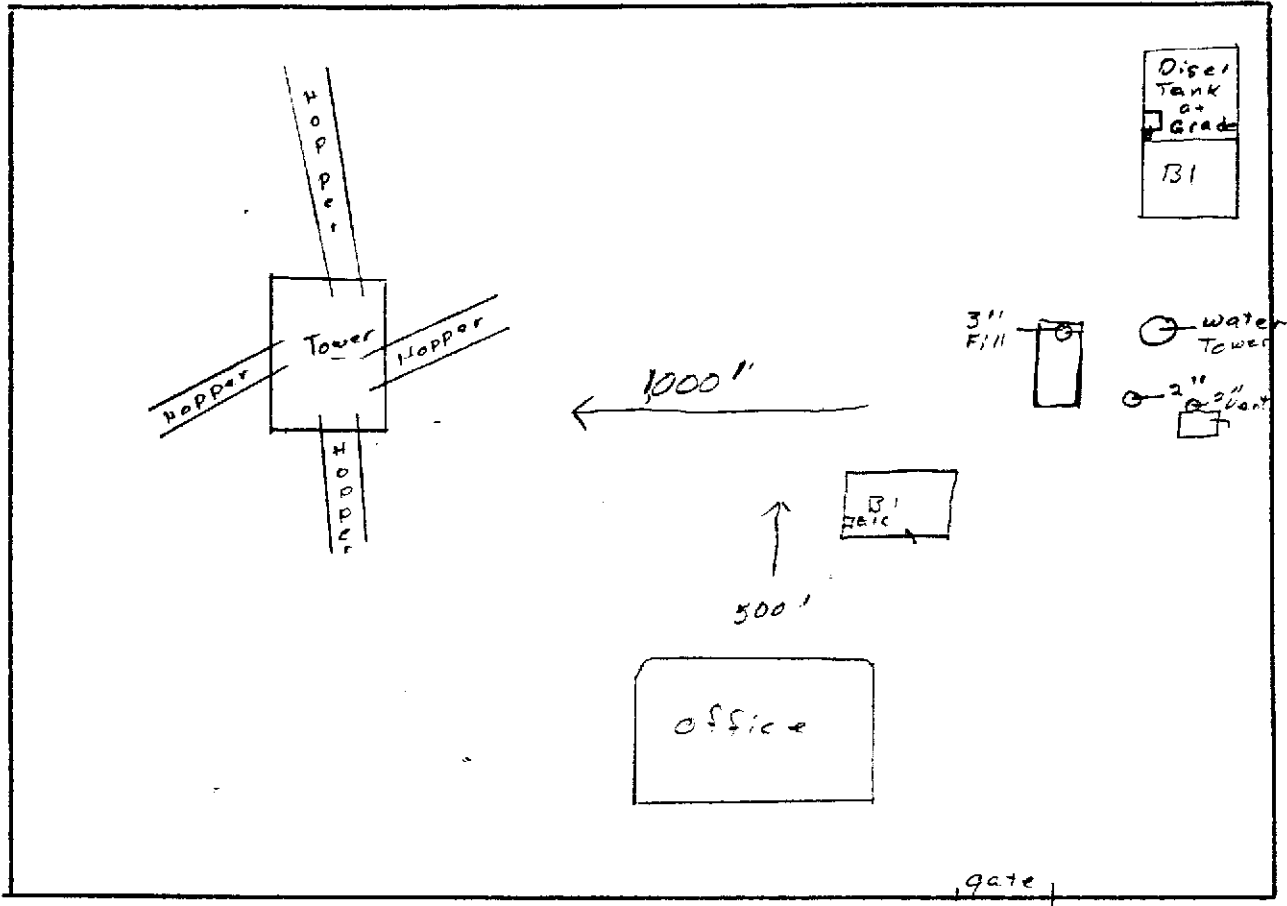
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Describe plumbing needed prior to testing:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

COMPLETE DRAWING OF TANK AREA OF THE FOLLOWING (check each item)

Bldgs NONE Islands 1 Tanks 1 Fills 3" Turbine Pits NONE  
 Manholes NONE Vents 2" VR NONE Product Lines 1 Monitors NONE  
 Well points NONE



Calianas Rd

\_\_\_\_\_  
 Inspector Signature Title

\_\_\_\_\_  
 Company Representative Signature Title

\_\_\_\_\_  
 Date

\_\_\_\_\_  
 Date

15. TANK TO TEST  
EAST / WEST  
 Identity by position  
UNLEADED  
 Brand and Grade

15a. BRIEF DIAGRAM OF TANK FIELD

16. CAPACITY  
 Nominal Capacity 4000 Gallons  
 By most accurate capacity chart available 4000 Gallons

From  
 Station Chart  
 Tank Manufacturer's Chart  
 Company Engineering Data  
 Charts supplied with  
 Other \_\_\_\_\_

17. FILL-UP FOR TEST TEST TERMINATED SEE NOTES  
 Stick Water Bottom before Fill-up 0 to 1/8" in.  
0 Gallons  
95 Tank Diameter in.  
 Inventory 95'

Gallons	Total Gallons as Reading
<u>4000</u>	<u>4000</u>
<u>10</u>	<u>10</u>
<u>4010</u>	<u>4010</u>

Transfer total to line 25e

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 a four pound rule required? Yes  No
2. Height to 12" mark from bottom of tank 128 in.
3. Pressure at bottom of tank 4.37 P.S.I.
4. Pressure at top of tank 1.90 P.S.I.

19. TANK MEASUREMENTS FOR TST ASSEMBLY  
 Bottom of tank to grade\* 144 in.  
 Add 30" for "T" probe assy. 30 in.  
 Total tubing to assemble - approximate \_\_\_\_\_ in.

20. EXTENSION HOSE SETTING  
 Tank top to grade\* 44 in.  
 Extend hose on suction tube 6" or more below tank top \_\_\_\_\_ in.  
 \*If fill pipe extends above grade, use top of fill.

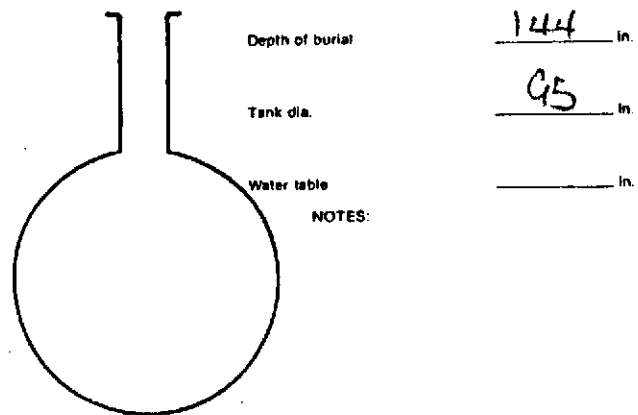
22. Thermal-Sensor reading after circulation \_\_\_\_\_ digits  
 \_\_\_\_\_ °F  
 Between \_\_\_\_\_  
 23. Digits per °F in range of expected change \_\_\_\_\_ digits

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 1  Stage II

24b. COEFFICIENT OF EXPANSION RECIPROCAL METHOD  
 Type of Product UNLEADED  
 Hydrometer Employed 6 H  
 Temperature in Tank After Circulation \_\_\_\_\_ °F  
 Temperature of Sample \_\_\_\_\_ °F  
 Difference (+/-) \_\_\_\_\_ °F  
 Observed A.P.I. Gravity \_\_\_\_\_  
 Reciprocal \_\_\_\_\_ Page # \_\_\_\_\_  
 Total quantity in full tank (16 or 17) \_\_\_\_\_ Reciprocal \_\_\_\_\_ Volume change in this tank per °F \_\_\_\_\_  
 Transfer to Line 25b.

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.



NOTES:  
 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.

25. (a) \_\_\_\_\_ × (b) \_\_\_\_\_ = (c) \_\_\_\_\_ gallons  
 Total quantity in full tank (16 or 17) Coefficient of expansion for involved product Volume change in this tank per °F  
 26. (a) \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_  
 Volume change per °F (25 or 24b) Digits per °F in test Range (23) Volume change per digit Compute to 4 decimal places. This is test factor (24)

CHAMPION'S PRECISION TANK TESTING  
 1451 Oakhurst Way  
 Sacramento, CA 95822

(916) (800) 346-4839

Date 10-19-00

Location: PUMC LONE STAR  
CALAVERAS RD  
SUNOL, CA

PUMP #	PRODUCT	SERIAL #	PUMP AMOUNT		GALLONS USED		TEST			ADV.	ADV.	IL	C.V.	RE-TEST					
			TEST	CALIBRATE	TEST	CALIBRATE	F	S	ADV.					F	S	F	S	ADV.	
	UNLEADED				10		-1	-2											

Note any leaks in dispensers NO NOTED

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Broken glass in dispensers NO

Decimals, if not in correct place OK

Other comments \_\_\_\_\_

All product has been returned to storage tanks ... X \_\_\_\_\_

CHAMPION'S PRECISION TANK TESTING  
 1451 OAKHURST WAY  
 SACRAMENTO, CA 95822

Year 90 State CA Name \_\_\_\_\_  
 No. 10 City SUNOL \_\_\_\_\_  
 Day 19 \_\_\_\_\_  
 DATE OF TEST State LOCATION OWNER

LOCATION: CALIFORNIA RD SUNOL CA  
Street No. and/or Corner City State

OWNER: \_\_\_\_\_  
Name Address Representative Position

OPERATOR: RMC LONESTAR  
Name Dealer, Mgr. or Other Address (if different than Location)

REASON FOR TEST COMPLY WITH STATE CODES

TEST REQUESTED BY: \_\_\_\_\_  
Name Position Order No. Billing Address

SPECIAL INSTRUCTIONS: \_\_\_\_\_

CONTRACTOR OR COMPANY MAKING TEST CHAMPION TANK TESTING W CAMPBELL 42-1324  
 MECHANIC(S) NAME

IS A TANK TEST TO BE MADE WITH THIS LINE TEST?  YES  NO  
 MAKE AND TYPE OF PUMP OR DISPENSERS \_\_\_\_\_

WEATHER \_\_\_\_\_ TEMPERATURE IN TANKS \_\_\_\_\_ °F \_\_\_\_\_ °C COVER OVER LINES \_\_\_\_\_ APPROXIMATE BURIAL DEPTH \_\_\_\_\_  
Concrete, Black Top, etc.

11 IDENTIFY EACH LINE AS TESTED	12 TIME (MILITARY)	13 LOG OF TEST PROCEDURES, AMBIENT TEMPERATURE, WEATHER, ETC.	14 PRESSURE		15 VOLUME		NET CHANGE
			psi OR kPa		READING		
			BEFORE	AFTER	BEFORE	AFTER	
UNLEADED PRODUCT	15 min	READINGS		15			
"	"			15			
"	"			15			
"	"			15			
"	"			15			
"	"	BLEEDBACK	15	0			
TEST INCONCLUSIVE. PRODUCT RISE IN TANK TESTING STANDING WHILE PUMPING UP THE PRODUCT LINE. ENOLATES PRODUCT BY PASSING THE FOOT VALVE.							