9-37

FORM U-1A MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS

Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only

1. Manufactured by [illegible] (Name and address of Manufacturer)
2. Manufactured for [illegible] (Name and address of Purchaser)
3. Type [illegible] (Horiz. or Vert.) Vessel No. ([illegible]) (Mfrs. Serial) ([illegible]) (State & State No.) Natl. Bd. No. [illegible] Yr. Built 1959
4. SHELL: Matl. A-212-B T.S. [illegible] Nom. Thk. 1/4 In. Corr. Allow. 0 In. Diam 10 Ft 6 In. Lgth. 50 Ft 0 In.
   (Kind and Spec. No.) (Fig. or F.B. & Spec. Min. T.S.)
5. SEAMS: Long [illegible] S.R. Yes X.R. Complete Sectioned No Efficiency 85 %
   (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
   Girth [illegible] S.R. Yes X.R. Complete Sectioned No No. of Courses 2
   If riveted or brazed describe seams fully under remarks.
6. HEADS: (a) Material A-212-B T.S. [illegible] (b) Material [illegible] T.S. [illegible]

	Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	Ends	1/4 Min.			2:1				Convex
(b)									

   If removable, bolts used [illegible] (Material, Spec. No., T.S., Size, Number) Other fastening [illegible] (Describe or Attach Sketch)
7. Constructed for {Int.} pressure of 325 psi Max Temp 650 °F Subzero [illegible] °F Hydrostatic Test 490 psi
8. SAFETY OR RELIEF VALVE OUTLETS: Number 2 Size 2" Location Shell
9. NOZZLES:

Purpose (Inlet Outlet, Drain)	Number	Diam or Size	Type	Material	Thickness	Reinforcement Material	How Attached
	1	2 1/2	Weld	St.	Sch. 80		Weld
	3	2	Weld	St.	Sch. 80		Weld

10. INSPECTION OPENINGS Manholes, No. 1 Size 16 Location Shell
    Handholes, No. [illegible] Size [illegible] Location [illegible]
    Threaded, No. [illegible] Size [illegible] Location [illegible]
11. SUPPORTS: Skirt No (Yes or No) Lugs [illegible] (Number) Legs [illegible] (Number) Other None (Describe) Attached [illegible] (Where & How)
12. REMARKS: This is a 125 Ton Storage Tank.

(Brief description of purpose of the vessel, as Air Tank, Water Tank, L.P.G., Etc.—State Contents.)

We certify that the statements made in this report are correct and that all details of material, construction, and workmanship of this vessel conform to the ASME Code for Unfired Pressure Vessels.

Date 9/11 19 59 Signed [illegible] (Manufacturer) By [illegible]

Certificate of Authorization Expires Dec. 31, 1963

CERTIFICATE OF SHOP INSPECTION

PAID TREASURER

Inspection Agency's Serial No. H.S.B. 22006

VESSEL MADE BY [illegible] at Decatur, Illinois

I, the undersigned, holding a Certificate of Competency as an Inspector of Boilers and Unfired Pressure Vessels in THE STATE OF [illegible] and employed by Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Conn. have inspected internally and externally, the vessel described in this report on [illegible] 19[illegible], and certify that the statements made in this report are correct corresponding with mill test reports of materials furnished by the builders, and measurements made of the vessel and that this vessel is constructed in accordance with the ASME Code for Unfired Pressure Vessels.

Date 9-11 1959

H. E. Heinman
Inspector's Signature

Commissions 9143189
State or Natl. Bd. & Number

Printed in U. S. A.

Copies of this Form obtainable from Amer. Soc. Mech. Eng., 29 W. 39th St., New York 18, N. Y.

BUILT BY

LEADER IRON WORKS, INC.

DECATUR, ILLINOIS

SINCE Leader 1888

MFG. ORDER NO.

MFG. SERIAL NO. 52073

YEAR BUILT

MAXIMUM DESIGN PRESS.

NAT'L BOARD NO.

H. S. B. NO.

CUST. SERIAL NO.

9-30

PAID

TREASURER

REPORT OF PHYSICAL AND CHEMICAL PROPERTIES OF STEEL USED

CUSTOMER CAROOX CORP. OUR ORDER NO. 9-37-G1

ADDRESS CHICAGO, ILLINOIS CUST. ORDER NO. 2346 (125 TON STORAGE TANK)

ITEM	SUPPLIER	HEAT NO.	Steel Specs.	Ten Str. lbs./sq. in.	Elast. Lt. lbs./sq. in.	Elong. %	CHEMICAL ANALYSIS C.	Mn.	P.	Sul.	Sil.	Cr.	Ni.
HEAD } 2 Pcs. }	WICKWIRE	4-6314 K (28)	A-212-B Flg. Stk.	74,400	42,000	28.0	.27	.80	.012	.020	.20		
"	"	5-1592 K (71)	"	74,300	42,000	26.5	.26	.75	.012	.025	.22		
HEAD } 2 Pcs. }	"	6-9569 K (2)	"	82,000	45,200	25.0	.28	.88	.013	.020	.24		
"	"	5-1592 K (71)	"	74,300	42,000	26.5	.26	.75	.012	.025	.22		
SHELL COURSE #1	"	6-9574 K (3)	"	74,400	42,200	26.2	.25	.78	.014	.035	.20		
" #2	"	5-1570 K (12)	"	74,700	41,700	26.7	.26	.74	.014	.032	.27		
" #3	"	4-6308 K (6)	"	77,700	42,400	25.7	.28	.68	.012	.025	.19		
" #4	"	6-9574 K (8)	"	74,800	42,300	27.0	.25	.78	.014	.035	.29		
" #5	"	5-1592 K (41)	"	71,200	41,300	30.7	.26	.75	.012	.025	.22		
" #6	"	6-9574 K (7)	"	77,100	43,600	27.5	.25	.78	.014	.035	.20		
" #7	"	3-2807 K (8)	"	77,700	44,600	29.5	.28	.74	.013	.019	.22		

PAID
TREASURER

I HEREBY CERTIFY THAT THE ABOVE IS AN EXACT COPY OF SUCH DATA LISTED ON THE MILL TEST REPORTS RETAINED IN OUR FILES.

LEADER IRON WORKS, INC.

BY Norman K. Sanderson

DATE 8-11-59