

MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS
Form No. U-1 As Required by the Provisions of the A. S. M. E. Code Rule

1. Manufactured by DOWNTOWN IRON WORKS, INC., DOWNTOWN, PA.
(Name and address of the manufacturer)
2. Manufactured for Luke L. Nakashian Corp., Boston, Mass.
(Name and address of the purchaser)
3. Type Horizontal Unf. Pressure Vessel No. 7522 (Mfr. serial or A.S.M.E. No.) (N.B. 7522) Year built 1953
(Horizontal or Vertical) (State and State No.)
4. Have mill test reports been checked on all the plates entering this unfired pressure vessel Yes
 Do the chemical and physical properties of all plates meet the requirements of the Code Yes
5. SHELL OR DRUMS: No. 1 Diameter 8 ft. 10 in. Length over all 66 ft. 11 in. Height ft. in I.D. Lg. I.S. heads.
(or width)
6. STAMPS on shell plates SA-212, F.B. Rivets, stays and braces 70,000 PSI
(Brand and lowest tensile strength)
7. SHELL PLATES: 960 in. Butt straps in. Style of seams: Longitudinal Par. U-201 Girth Par. U-201
(Outer) (Thickness) (Thickness) (Riveted, Forge Welded, Brazed, or Fusion Welded—Par. No.)
8. Diameter of rivet holes in. Pitch of rivets X Efficiency of joint 80 %
9. GIRTH JOINTS: Diameter rivet holes in. Pitch of rivets in. No. of courses 7
(Single or double riveted)
10. INNER SHELL: in. Style of seams: Longitudinal Girth Length of section or course ft. in in.
(Thickness) (Riveted, Forge Welded, Brazed, or Fusion Welded—Par. No.)
11. HEADS: Concave dished 770 in. Radius of dish Ell. 2:1 in. Side to pressure Concave
(Thickness) (Concave or convex)

If removable, bolts used or method of fastening
(Number and size)

(Describe or sketch)

12.	STAYS	No.	Size	Net Area	Welded or Welded	Area to be Stayed	Maximum Allowable Working Pressure
	(a) F. H.						
	(b) R. H.						
	(c) Through						
	(d) Diagonal and Gusset Stays						

13. STAYBOLTS: Iron or Steel If hollow (Size of hole) 14. Maximum pitch X Diameter in.
(Horizontal) (Vertical) (Over the threads)
15. SAFETY VALVE outlets: No. 2 Size 1/4" I.D.
16. FUSIBLE PLUG (if used): No. 3-1/2", 2-1/2", 2", 3/4" Diameter and material of filling Location
17. OUTLETS: No. 8 Size Material of nozzle or reinforcement Steel How attached Welded
(Riveted, welded, etc.)
18. DRAIN connection 2-1/2 in. HAND HOLES OR SIGHT HOLES (Number, size and location)
19. MANHOLES: 1-18" I.D. in shell Reinforcement Welded
(Number) (Size and location of each) (Riveted, welded, etc.)
20. NONPRESSURE PARTS (a) Supporting lugs Supporting skirts (b) Other Nonpressure parts 22-att. slips
(Number) (Kind and number)
- (c) Where and how attached Welded to hd. & shell. Tank supported by concrete cradles.
Shell 313 & 400
21. Bursting pressure 1000 psi Hydrostatic test lb 22. Constructed for pressure of 250 psi Factor of safety 4.00

Remarks: Vessel used for the storage of propane gas, max. oper. temp. 650°F.
(Vessel to be used for air, gas, ammonia, etc.)

no corrosion allowance.

We certify the above data to be correct and that all details of materials and construction and workmanship on this unfired pressure vessel conform to the A. S. M. E. Code for Unfired Pressure Vessels. Cert. of Auth. No 174 Expires Dec. 31, 1955

Date August 13, 1953 Signed DOWNTOWN IRON WORKS, INC. by B. H. Russell
(Manufacturer)

D.I.W. #52-282 D

P.O. #250

DWG A-342 W. Russell

CERTIFICATE OF SHOP INSPECTION

Insurance Company's Serial Number **H.S.B. #7522**

VESSEL MADE BY DOWNINGTOWN IRON WORKS, Inc., DOWNINGTOWN, PA.

I, the undersigned, holding a certificate of competency as an inspector of steam boilers in **THE STATE OF**
Penna., and employed by **THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY**
of **HARTFORD, CONN.**, inspected internally and externally, the vessel specified in this report, on _____

SEP 14 1953

19 , and certify that the statements made on this report are correct, corresponding with the mill test reports of material as furnished by the builders, and measurements made of the vessel when completed; and that this vessel is constructed in accordance with the A. S. M. E. Code Rules, for the Construction of unfired Pressure Vessels.

N.B. 3627. Pa. 1643.
Commissions

R. B. Graham
Inspector