MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS

As Required by the Provisions of the A.S.M.E. Code Rules

1. Manufactured by **AMERICAN CAR AND FOUNDRY COMPANY, MILTON, PA.**

2. Manufactured for Stacey-Dresser Engineering, 1900 Superior Ave., Cleveland, Ohio
(Name and address of the purchaser)

3. Type Horizontal (Horizontal or Vertical) Unfired Pressure Vessel No. 3T-494-126 (Mfrs. Serial or A.S.M.E. No.) NB 3217 (State and State No.) Year built 1947

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. 7 in. (or width) Length over all 70 ft. 9 in. Height ft. in.

6. STAMPS on shell plates SA-212 Grade "B" Firebox 70000 (Brand and lowest tensile strength) Rivets, stays and braces

7. SHELL PLATES 53/64 (Outer) (Thickness) in. Butt straps in. (Thickness) Style of seams: Longitudinal FW U68 Girth FW U68 (Rivets, Forge Welded, Brazed, or Fusion Welded—Type of) (Iron or Steel)

8. Diameter of rivet holes in. Pitch of rivets X X Efficiency of joint 90 %

9. GIRTH JOINTS (Single or double riveted) Diameter rivet holes in. Pitch of rivets in. No. of courses 8

10. INNER SHELL (Thickness) in. Style of seams: Longitudinal Girth (Riveted, Forge Welded, Brazed or Fusion Welded—Type of) Length of section of course 8 ft. 2 in.

11. HEADS: Flat or dished 3/4" (Thickness) in. Radius of dish D/4 Ell in. Side to pressure Concave (Concave or convex)

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

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

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12. STAYBOLTS (Iron or Steel) If hollow (Size of Hole) 14. Maximum pitch (Horizontal) (Vertical) Diameter in. (Over the threads)

15. SAFETY VALVE outlets: No. 2 Size 4-1/16"

16. FUSIBLE PLUG (if used): No. Diameter and material of filling Location

17. OUTLETS: No. 1 Size 1½" Material of nozzle or reinforcement Steel How attached Weld (Riveted, welded, etc.)
1 1
1 3/4" 2 - 1½ and 3 - 1" tapped openings in manway cover.

18. DRAIN connection 1 - 3 (Size) in. Handholes or Sight Holes (Number, size and location)

19. MANHOLES 1 (Number) 20" top end of tank (Size and location of each) Reinforcement 35½ x 53/64 x 21½"welded (Riveted, welded, etc.)

20. Method of supporting vessel Customer to furnish

21. Bursting pressure 1003 lb. per sq. in. Hydrostatic test 400 lb.

22. Constructed for pressure of 200 lb. per sq. in. Maximum stress in shell plate 12558 lb. per sq. in.

Remarks: Vessel fabricated and intended for service as an Unfired (Vessel to be used for air, gas, ammonia, etc.)
Pressure Vessel under Par. U-68 (Propane Storage)

We certify the above data to be correct and that all details of material and construction and workmanship on this unfired pressure vessel conform to the A.S.M.E. Code for Unfired Pressure Vessels.

Signed: AMERICAN CAR AND FOUNDRY COMPANY

Date AUG 26 1947 19 By

FORM 1011 MIMEO. 8OND

AUTHORIZATION No. 677 EXPIRES DEC. 31, 1949

CERTIFICATE OF SHOP INSPECTION

Insurance Company's Serial Number HSB 1255

Vessel made by **AMERICAN CAR AND FOUNDRY COMPANY, MILTON, PA.**

I, the undersigned, holding a certificate of competency as an inspector of steam boilers in THE STATE OF PENNSYLVANIA, and employed by the **Hartford Steam Boiler Inspection and Insurance Co. of Hartford, Conn.,** inspected internally and externally, the vessel specified in this report, on AUG 26 1947 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.

Wm. E. Smey NB 1206

Inspector for State or Boiler Insurance Company