

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.,**
Office and address of the purchaser **Cleveland, Ohio**
 3. Type Horizontal Unfired Pressure Vessel No. ST-494-113 NB 3216 Year built 1947
(Horizontal or Vertical) (Mfrs. Serial or A.S.M.E. No.) (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. 7 in. Length over all 70 ft. 9 in. Height ft. in.
(or width)
 6. STAMPS on shell plates SA-212 Grade "B" Firebox 70000 Rivets, stays and braces
(Brand and lowest tensile strength)
 7. SHELL PLATES 53/64 in. Butt straps in. Style of seams: Longitudinal FW U68 Girth U58
(Outer) (Thickness) (Thickness) (Riveted, Forge Welded, Brazed, or Fusion Welded—Type of)
 8. Diameter of rivet holes in. Pitch of rivets X X Efficiency of joint 90 %
 9. GIRTH JOINTS Diameter rivet holes in. Pitch of rivets in. No. of courses 8
(Single or double riveted)
 10. INNER SHELL in. Style of seams: Longitudinal Girth Length of section of course 8 ft. 3 in.
(Thickness) (Riveted, Forge Welded, Brazed or Fusion Welded—Type of)
 11. HEADS: Flat or dished 3/4" in. Radius of dish D/4 Ell in. Side to pressure Concave
(Thickness) (Concave or convex)
- If removable, bolts used or method of fastening
(Number and size) (Describe or sketch)

STAYS	No.	Size	Net Area	Welded or riveted	Area Ag by dished	Maximum Allowable Working Pressure
(a) F. H. <u> </u>						
(b) R. H. <u> </u>						
(c) Through <u> </u>						
(d) Diagonal and Gusset Stays <u> </u>						

13. STAYBOLTS If hollow (Iron or Steel) (Size of Hole)
14. Maximum pitch 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 1 1 Sizes 1 1/4" 1 1/4" 3/4" Material of nozzle or reinforcement Steel How attached Weld
(Riveted, welded, etc.)
18. DRAIN connection 1 - 3 in. Handholes or Sight Holes
(Size) (Number, size and location)
19. MANHOLES 1 20" top end of tank Reinforcement 35 1/4 x 53/64 x 21 1/4" welded
(Number) (Size and location of each) (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 Pressure Vessel under Par. U-68 (Propane Storage)
(Vessel to be used for air, gas, ammonia, etc.)

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 JUL 9 1947

By *A. J. McDaniel*

FORM 1911 MIMED BOND

AUTHORIZATION No. 677 EXPIRES DEC. 31, 1949

CERTIFICATE OF SHOP INSPECTION

Insurance Company's Serial Number HSB 1859

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 JUL 9 1947 1947, 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.

Hen E. May

NB 1856

Inspector for State of ~~Boiler~~ Insurance Company