

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, Penna.
(Name and address of the manufacturer)

2. Manufactured for Stacey-Dresser Engineering - Cleveland, Ohio (15)
(Name and address of the purchaser)

3. Type Horizontal Unfired Pressure Vessel No. ST-434 P132 K.B. 2765 Year built 1946
(Horizontal or Vertical) (Welded or Riveted) (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 10 ft 10 in. Height 1 ft 10 in.
(for width)

Firebox 70,000

6. STAYS on shell plate SA-212 Grade B Rivets, stays and braces.
(Brand and lowest tensile strength) (Iron or Steel)

7. SHELL PLATE 5/16 Butt straps in Style of seams: Longitudinal U-69 Girth U-69
(Center) (Thickness) (Thickness) (Riveted, Forge Welded, Brazed, or Fusion Welded—Type of)

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 8
(Single or double riveted)

10. INNER SHELL in Style of seams: Longitudinal U-69 Girth U-69 Length of section or course 8 ft 1 ft 8 in.
(Thickness) (Riveted, Forge Welded, Brazed or Fusion Welded—Type of)

11. HEADS: flat or dished 3/4 in. Radius of dish 8 ft 1 in. Side to pressure Concave
(Thickness) (Concave or convex)

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

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

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

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

16. FUSIBLE PLUG (if used): No. 1 Diameter and material of filling 1" - 3/4" Location Top of tank

17. OUTLETS: No. 1 Size 1-1/4 Material of nozzle or reinforcement Steel How attached Welded
(Riveted, welded, etc.)

18. DRAIN connection 1" in Handholes or Sight Holes None
(Size) (Number, size and location)

19. MANHOLES: 1 20" Top end of Tank Reinforced 5-1/4 x 15-1/16 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 1000 lb per sq. in. Hydrostatic test 300 and 400 lb

22. Constructed for pressure of 200 lb per sq. in. Maximum stress in shell plate 11,107 lb per sq. in.

Remarks Vessel constructed to Par. U-69 for propane storage
(Vessel to be used for air, gas, ammonia, etc.)

* 1" - 2 - 1-1/2" Tapped openings in manway cover

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.

NOV 27 1946

Date 1946 American Car & Foundry Co. by A. J. Kiedura
(Manufacturer)

CERTIFICATE OF SHOP INSPECTION

Insurance Company's Serial Number..... **H.B.B. 1306**

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 Insp. & Ins. Co.**
Hartford, Conn......
of..... inspected internally and externally, the vessel specified in this report, on..... **NOV 27 1946**

..... **13** , 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.**

..... *Am. E. Muz.*..... **H.B.B. 1306**.....
Inspector for State or Boiler Insurance Company.