

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-454 P/3A N.B. 2764 Year built 1946
(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. 10 in. Height 8 ft. 2 in.
Firebox 70,000 (for width)
SA-212 Grade B

6. STAMPS on shell plates: Rivets, stays and braces. (Iron or Steel)
15/16 F.W. U-69 F.W. U-69
in. Butt straps in. Style of seams: Longitudinal Girth
(Outer) (Thickness) (Thickness) (Riveted, Forge Welded, Etc. or Fusion Welded—Type of)

7. SHELL PLATES: Diameter of rivet holes in. Pitch of rivets X X Efficiency of joint 8
(Single or double riveted)

8. GIRTH JOINTS: Diameter rivet holes in. Pitch of rivets in. No. of courses 8 3-1/8 in.
(Single or double riveted)

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

10. HEADS: flat or dished 3/4 in. Radius of dish D/4 Ell. Concave
(Thickness) (Concave or convex)

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

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

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

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

16. FUSIBLE PLUG (if used): No. 1 Diameter and material of filling 3/8 Location

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

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

19. MANHOLES: 1 20" Top end of Tank Reinforcement 35-1/4 x 15/16 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 1008 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

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American Car & Foundry Co.

Date: 11/27/46 Signed: A. J. Keady (Manufacturer)

CERTIFICATE OF SHOP INSPECTION

Insurance Company's Serial Number..... **H.S.B. 1387**

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. 22, 1946**

.....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.

Sam E. May..... **H.B. 1906**
Inspector for State or Boiler Insurance Company.