

FORM U-1 MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS
 As required by the Provisions of the ASME Code Rules and the National Board

PV-0029

1. Manufactured by ACF Industries, Incorporated, Milton, Pennsylvania

2. Manufactured for THOMPSON CHEMICAL COMPANY, PAWTUCKET, RHODE ISLAND

3. Type Horiz. Kind Tank Vessel No. (14-850-1) (Name and address of Purchaser)

(Horiz. or Vert.) (Tank, Jacketed, Heat Exch.) (Mfr. Serial) (Draw & Spec No.) Nat'l Bd. No. 4518 Yr. Built 1956

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of Heat Exchangers

4. SHELL: Material Gr. "B" T.S. 70000 P.B. Thickness 15/16 Corrosion Allowance _____ in. Diam 10 ft. 3-9/16 In. Length 49 ft. 11 1/2

5. SEAMS: Long F.W. D.J. S.R. Yes X.R. Compl. Sectioned No Efficiency 95%
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

6. HEADS: (a) Material SA-212 Gr. "B" T.S. 70000 (b) Material SA-212 Gr. "B" No. of Courses 5

(Top, bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter

(a) End 15/16"
 (b) End 15/16"

D/4 Ell.
D/4 Ell.

If removable, bolts used _____

If riveted describe seams fully on reverse side of form
 T.S. 70000
 Side to Pressure (Concave or Convex)

Concave
Concave

7. STAYBOLTS: (Material) If hollow (Size of Hole) Attachment (Threaded, Welded) Pitch (Horiz.) (Vert.) Diam (Nominal) Other fastening (Describe or Attach Sketch)

8. JACKET CLOSURE: (Describe as open & weld, bar, etc. If bar give dimensions, if bolted, describe or sketch) (Horiz.) (Vert.) Diam (Nominal)

9. Constructed for 250 psi. pressure of 250 psi. Max. Temp. 650 °F. Subzero _____ °F. Hydrostatic Test 400 psi.

10. TUBE SHEETS: Stationary: Material _____ (Kind & Spec. No.) Diam _____ in. Thickness _____ in. Attachment _____ (Welded, Bolted)

11. TUBES: Material _____ (Kind & Spec. No.) O.D. _____ in. Thickness _____ in. Attachment _____ (Straight or U) Type _____ (Straight or U)

12. SHELL: Material _____ (Kind and Spec. No.) T.S. _____ Thickness _____ in. Corrosion Allowance _____ in. Diam _____ ft. In. Length _____ ft. In.

13. SEAMS: Long _____ (Welded, Dbl., Single, Lap, Butt) S.R. _____ X.R. _____ Sectioned _____ Efficiency _____ %
 (Yes or No) (Spot or Complete) (Yes or No)

14. Heads (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ No. of Courses _____
 Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter

(a) Top, bottom, ends
 (b) Channel
 (c) Floating

If removable, bolts used (a) _____ (Material, Spec. No., T.S., Size, Number) (b) _____ (c) _____

Other fastenings _____

15. Constructed for 250 psi. pressure of _____ psi. Max. Temp. _____ °F. Subzero _____ °F. Hydrostatic Test _____ psi.

16. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

17. NOZZLES: Purpose (Inlet, Outlet, Drain) Number _____ Diam. or Size _____ Type _____ Material _____ Thickness _____ Reinforcement Material _____ How Attached _____

18. INSPECTION OPENINGS: Manholes, No. 1 Size 18" Location TOP END OF TANK Material Steel Attached Welded
 Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

19. SUPPORTS: Skirt _____ (Yes or No) Legs _____ (Number) _____ (Describe) Attached _____ (Where & How)

20. REMARKS: Vessel fabricated and intended for service as an unfired pressure vessel under 1952 Code, W-YR-SR (Vinyl Chloride Monomer).
 (Brief description of purpose of the vessel, as Air Tank, Alkyne Cooler, Jacketed (mixer, etc. State contents of tank)

RECEIVED
 MAY 7 1956
 THE NATIONAL BOARD OF PRESSURE VESSEL INSPECTORS