



TRANSTECH ENERGY

10,000-Gallon Storage Vessel Rocky Mount, NC

VESSEL SPECIFICATIONS

Manufacturer	Year	Capacity	PSI	Serial Number/ National Board Number
ACF Co.	1956	10,000	250	14-844-2 / 4494

The vessel listed is ASME certified and was manufactured by ACF Co. It has a National Board number with a U-1A data sheet. The vessel is 77" in diameter with welded steel saddles and 42.5' in length. Its shell sections are 9/16" thick and the elliptical heads are 17/32" thick.



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

1. Manufactured by **ACF Industries, Incorporated, Milton, Pennsylvania**
 2. Manufactured for **SUBURBAN PROPANE GAS CORPORATION, WHIPPANY, NEW JERSEY**
Name and address of Purchaser
 3. Type **Horiz.** Kind **Tank** Vessel No. **14-844-2** Name, Rt. No. **4494** Yr. Built **1956**
(Horizontal or Vertical) (Tank Jacketed, Heat Exch.) (Type, Serial) (Tank & Stamp No.)

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 **Case 1056-4 Gr. B TS Fig. 73000** Thickness **9/16** Corrosion Allowance in Diam **6 ft 5-1/4** Length **42 ft 3-5/8**
(Kind and Spec. No.) (Fig. or P. B. & lowest T. S.)

5. SEAMS Long **F.W. D.B. SR Yes** XR **Compl.** Sectioned **No** Efficiency **95** %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
 Girth **F.W. D.B. SR Yes** XR **Compl.** Sectioned **No** No. of Courses **5**

If riveted or scribe seams fully on reverse side of form

6. HEADS (a) Material **Case 1056-4 Gr. B TS 73000** (b) Material **Case 1056-4 Gr. "B" TS 73000**
(Kind and Spec. No.) (Fig. or P. B. & lowest T. S.) (Material) (Fig. or P. B. & lowest T. S.)
 Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Area Angle Hemispherical Radius Flat Diameter
 (a) End **17/32** D/4 Ell. Concave
 (b) End **17/32** D/4 Ell. Concave
 If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T. S., Size, Number) (Describe or Attach Sketch)

7. STAYBOLTS (Material) If hollow _____ Attachment _____ Pitch _____
(Material) (If hollow) (Size or Size) (Attached, Welded) (Pitch) (Type) (Vertical) (Diam) (Nominal)

8. JACKET CLOSURE (Describe as open & weld, ball, etc. If ball give dimensions of ball, describe its sketch)

9. Constructed for **250** psi pressure of **650** °F Subzero °F Hydrostatic Test **400** psi
(Int./Ext.) (Material, Spec. No., T. S., Size, Number) (Describe or Attach Sketch)

Items 10 and 11 to be completed for tube sections

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

11. TUBES Material _____ O.D. _____ in Thickness _____ inches or size Number _____ Type _____
(Kind & Spec. No.) (O.D.) (Thickness) (Inches or size) (Number) (Type) (Straight, etc.)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers

12. SHELL Material _____ T.S. _____ Thickness _____ in Corrosion Allowance _____ in Diam _____ ft in Length _____ ft in _____
(Kind and Spec. No.) (Fig. or P. B. & lowest T. S.) (Thickness) (Corrosion Allowance) (Diam) (ft) (Length) (ft) (in)

13. SEAMS Long **F.W. D.B. SR Yes** XR **Compl.** Sectioned **No** Efficiency **95** %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
 Girth **F.W. D.B. SR Yes** XR **Compl.** Sectioned **No** No. of Courses _____

If riveted describe seams fully on reverse side of form

14. Heads (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____
(Kind and Spec. No.) (Fig. or P. B. & lowest T. S.) (Material) (Fig. or P. B. & lowest T. S.) (Material) (Fig. or P. B. & lowest T. S.)
 Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Area Angle Hemispherical Radius Flat Diameter
 (a) Top, bottom, ends _____
 (b) Channel _____
 (c) Floating _____

If removable, bolts used (a) _____ (b) _____ (c) _____
(Material, Spec. No., T. S., Size, Number) (Material, Spec. No., T. S., Size, Number) (Material, Spec. No., T. S., Size, Number)
 Other fastening _____
(Describe or Attach Sketch)

15. Constructed for **250** psi pressure of **650** °F Subzero °F Hydrostatic Test **400** psi
(Int./Ext.) (Material, Spec. No., T. S., Size, Number) (Describe or Attach Sketch)

Items below to be completed for all Vessels where applicable

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** Steel **Welded**
 Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

19. SUPPORTS: Skirt _____ Lag _____ Lag _____ Other _____ Attached _____