

106736

**FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS**  
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)  
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by Evans & Sons Process Tank Co., Inc. 1851 Shop Road, Columbia, S.C. 29201  
(Name and address of manufacturer)

2. Manufactured for DARTCO MFG. INC., P.O. Box 208, Gracewood, Ga. 30812  
(Name and address of purchaser)

3. Location of installation DARTCO MFG. INC., Tobacco Rd., Augusta, Ga. 30809  
(Name and address)

4. Type Vertical C-85-1036 None C-85-1036(R2) 148 1985  
(Hoz. or vert. tank) (Mfg. serial No.) (CRN) (Drawing No.) (Nat'l. Bd. No.) (Year built)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 1983  
Year

to S84 None None  
(Addenda (Date)) (Code Case Nos.) (Special Service per UG 1201d)

6. Shell: SA-240-316L .1875" None 2'-0" 4'-0" T-T  
(Mat'l. (Spec. No., Grade)) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Diam. I.D. (ft. & in.)) (Length (overall) (ft. & in.))

7. Seams: DBL BUTT None 70 NA NA DBL BUTT None 1  
(Long. (Welded, DBL, Sngl., Lap, Butt)) (R.T. (Spot or Full)) (EH (F)) (H.T. Temp. (F)) (Time (hr)) (Girth (Welded, DBL, Sngl., Lap, Butt)) (R.T. (Spot, Partial, or Full)) (No. of Courses)

8. Heads: (a) Mat'l. SA-240-316L (Spec. No., Grade) (b) Mat'l. SA-240-316L (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Safe to Pressure (Convex or Concave)
(a)	TOP	.125"	0	24"	1.5"	--	--	--	--	Concave
(b)	BTM	.125"	0	24"	1.5"	--	--	--	--	Concave

If removable, bolts used (describe other fastenings) None

(Mat'l. Spec. No., Gr., Size, No.)

9. MAWP 15 psi at max. temp. 270 °F  
Min. temp. (when less than -20°F) NA °F. Hydro., pneu., or comb. test pressure 23 psi.

10. Nozzles, inspection and safety valve openings.

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
INSP.	1	8"	FLG'D	SA-240-316L	.1875"	Inherent	UW16.1	Shell
LEVEL	1	4"	FLG'D	SA-312-316L	.120"	Inherent	UW16.1	
LEVEL	1	3"	FLG'D	SA-312-316L	.120"	Inherent	UW16.1	
RELIEF	1	2"	FLG'D	SA-312-316L	.120"	Inherent	UW16.1	

11. Supports: Skirt No Lugs No Legs Yes Other None Attached Welded to shell  
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: None  
(Name of part, item number, Mfr's name and identifying stamp)

**ITEM 10 CONT.**

VARIOUS 5 1 1/2" FLG'D SA-312-316L .109 Inherent UW16.1

**CERTIFICATE OF SHOP COMPLIANCE**

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 15,018 expires 3-13, 1988.  
Date 6-27-85 Co. name Evans & Sons Process Tank Co. Signed Ray J. Sherman  
(Manufacturer)

**CERTIFICATE OF SHOP INSPECTION**

Vessel constructed by Evans & Sons Process Tank Co., Inc. at 1851 Shop Road, Columbia, S.C. 29201

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of New York and employed by Lumbermans Mutual Insurance Company

have inspected the component described in this Manufacturer's Data Report on June 27, 1985, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 6-27-85 Signed Frederick J. Kuch Commissions NB 7868 NY 2729  
(Authorized Inspector) (Nat'l. Board Inspect. endorsement, Nat'l. State, Prov. and No.)