

FORM U-1A MANUFACTURERS' 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 by Certified and Wolfe Mechanical Co., Inc., U. S. Hwy. 601 South, Lugoff, S. C. 29078
 2. Manufactured for Diamond Shamrock Corp.
 3. Location of Installation Diamond Shamrock Corp., Charlotte, N. C.
 4. Type Vert. C-1006 C-1006 11 Year Built 1983
(Horiz or vert tank) (Mfr's Serial No) (CRN) (Drawing No) (Nat'l Bd No)
 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) and Addenda to Sum. '83 (Date) and Code Case Nos. Special Service
 Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:

6. Shell: SA-240-316 0.180" 0.000" 6'-6" 4'-0"
Matl (Spec No., Grade) Nom Thk (in) Corr Allow (in) Diam (ft & in) Length (overall) (ft & in)
 7. Seams: Welded Dbl. Butt None 70% None N/A Welded Dbl. Butt None 1
Long (Welded, Dbl. Sngl. Lap, Butt) R T (Spot or Full) Eff (%) H T Temp (°F) Time (hr) Girth (Welded, Dbl Sngl. Lap, Butt) R T (Spot, Partial, or Full) No. of Courses
 8. Heads: (a) Matl. SA-240-316 (b) Matl. SA-240-316
(Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	<u>Top</u>	<u>0.3125"</u>	<u>0.000"</u>	<u>78"</u>	<u>4 3/4"</u>					
(b)	<u>Bottom</u>	<u>0.3125"</u>	<u>0.000"</u>	<u>78"</u>	<u>4 3/4"</u>					

If removable, bolts used (describe other fastenings) _____

9. Const. for max. allow. working press. 60 psi at max. temp. 160 °F Min. temp (when less than -20° F) _____ °F.
 Hydro., pneu., or comb. test pressure 90 psi.
 10. Safety Valve Outlets: No. _____ Size _____ Location _____

11. Nozzles and Inspection Openings:

Purpose (Inlet, Outlet, Drain)	No	Diam or Size	Type	Matl	Nom Thk	Reinforcement Matl	How Attached	Location
<u>N/Out</u>	<u>3</u>	<u>2"</u>	<u>L/J</u>	<u>SA-105-F/S</u>	<u>150#</u>	<u>None</u>	<u>Welded</u>	<u>Head</u>
<u>Vacuum</u>	<u>1</u>	<u>2"</u>	<u>L/J</u>	<u>SA-105-F/S</u>	<u>150#</u>	<u>None</u>	<u>Welded</u>	<u>Head</u>
<u>Vent</u>	<u>1</u>	<u>4"</u>	<u>L/J</u>	<u>SA-105-F/S</u>	<u>150#</u>	<u>None</u>	<u>Welded</u>	<u>Head</u>
<u>Agitator</u>	<u>1</u>	<u>6"</u>	<u>L/J</u>	<u>SA-105-F/S</u>	<u>150#</u>	<u>None</u>	<u>Welded</u>	<u>Head</u>
<u>Vent</u>	<u>2</u>	<u>3/4"</u>	<u>H. Cplg.</u>	<u>316 S/S</u>	<u>150#</u>	<u>None</u>	<u>Welded</u>	<u>Head</u>
<u>Manway</u>	<u>1</u>	<u>14"X18"</u>	<u>Ellip</u>	<u>316 S/S</u>	<u>200#</u>	<u>None</u>	<u>Welded</u>	<u>Head</u>

12. Supports: Skirt No Lugs 4 Legs _____ Other _____ Attached Welded to Shell
(Yes or no) (No) (No) (Describe) (Where and how)

13. Remarks: _____

CERTIFICATE OF 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.

Date 9-20-83 Signed Wolfe Mechanical Co., Inc. by J. Barry Osh
(Manufacturer) (Representative)

"U" Certificate of Authorization No. 18437 Expires 3-18, 1986

CERTIFICATE OF SHOP INSPECTION

Vessel made by Wolfe Mechanical Co., Inc. at Lugoff, S. C.

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 North Carolina and employed by Commercial Union Ins. Co.

have inspected the pressure vessel described in this Manufacturer's Data Report on 9-20, 1983, 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 the Manufacturers' 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.

Signed J. E. Kiser Date 9-20-83 Commissions NB 6646 NC 773
(Inspector) (Nat'l Board, State, Province and No)