

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
 (Alternate 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 Modern Welding Company of Owensboro, Inc. 1450 East Parrish Avenue Owensboro, Kentucky 42303
 (Name and address of manufacturer)

2. Manufactured for Air Products and Chemicals, Inc. 7201 Hamilton Blvd. Allentown, Pa. 18195
 (Name and address of purchaser)

3. Location of installation Perdue Farms, Inc. Oil Refinery 7036 Zion Church Road Salisbury, MD. 21804
 (Name and address)

4. Type: Vertical 8644 B N/A L-4852 171 1998
 (Horiz. or vert. tank) (Mfr's 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: 1995
 Year

to 96 ADD N/A N/A
 Addenda (Date) Code Case Nos. Special Service per UG-120(d)

6. Shell: SA-516Gr.70 * 1/16" 11'-0" I.D. 47'-1" T/T
 Matl. (Spec. No., Grade) Nom. Thk (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Dbl. Butt Full 100% N/A N/A Dbl. Butt Full 6
 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-516Gr.70 (b) Matl. SA-516Gr.70
 (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) Top	1.3"	1/16"	N/A	N/A	2:1	N/A	N/A	N/A	Concave
(b) Bottom	1.3"	1/16"	N/A	N/A	2:1	N/A	N/A	N/A	Concave

If removable, bolts used (describe other fastenings) N/A
 (Matl., Spec. No., Gr., Size, No.)

9. MAWP: 300 psi at max. temp. 200 °F
 Min design metal temp. -20 °F at 300 psi. Hydro., pneu. or comb. test pressure Hydro 450 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
Manway	1	18"	CL300LWN	SA-105	1.5"	SA-516Gr.70	Welded	Shell
Inlet/outlet	1	2"	CL300FLG.	SA-312-TP304L	SCH. 80	Inherent	Welded	Sump
Vent	1	4"	CL300FLG.	SA-106B	SCH. 120	SA-516Gr.70	Welded	Top
SUMP	1	6"	Pipe/Cap	SA-312TP-304L	SCH. XXH	Inherent	Welded	Bottom

11. Supports: Skirt Yes Lugs N/A Legs N/A Other None Attached Bottom Welded
 (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 this report:
N/A

(Name of part, item number, Mfr's. name and identifying stamp)

P.O.# OD-30069 Item# V703C Vertical Product Surge Tank

Exempt from Impact testing per UCS-66 (a) see attached form U-4 for additional information

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. 2438 expires 4-8, 2000
 Date 2-11-98 Co. name Modern Welding Company of Owensboro, Inc. Signed [Signature]
 (Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by Modern Welding Company of Owensboro, Inc. at 1450 East Parrish Avenue Owensboro, Kentucky 42303
 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Kentucky and employed by H.S.B.I. & I. Co. of Hartford, CT. have inspected the component described in this Manufacturer's Data Report on 2-11-98, 1998 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 2-11-98, 1998 Signed [Signature] Commissions NB9549B K4862
 (Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

Manufactured and certified by Modern Welding Co. of Owensboro Inc. 1450 E. Parrish Ave., Owensboro, KY 42303

(name and address of manufacturer)

2. Manufactured for Air Products and Chemicals, Inc. 7201 Hamilton Blvd. Allentown, Pa. 18195

(name and address of purchaser)

3. Location of installation Perdue Farms, Inc. Oil Refinery 7036 Zion Church Road Salisbury, MD. 21804

(name and address)

4. Type: Vertical Tank 8644 B

(horiz., vert., or sphere)

(tank, separator, heat exh., etc.)

(mfg's serial no.)

N/A

L-4852

171

1998

(CRN)

(drawing no.)

(Nat'l. Bd. no.)

(year built)

Data Report
Item Number

Remarks

Line 6 (cont'd)

* shells # L1 - L2 are 1.25" THK.
shells # L3 - L4 - L5 are 1.3125" THK.
shell # L6 is 1.375" THK.

Certificate of Authorization:

Type U No. 2438 Expires 4-8 2000

Date 2-11-1998

Name Modern Welding Co. of Owensboro Inc.

Signed

D. E. Powell
(representative)

Date

03-03-98

Name

George M. Monroe
(Authorized Inspector)

Commission

NB9509B KY802
(Nat'l. Board incl. endorsement, state, province and no.)

BB 10574