

FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by NOOTER CORPORATION; 1400 S. 3RD ST.; ST. LOUIS, MISSOURI
(Name and address of manufacturer)
2. Manufactured for DUPONT-MATERIALS & LOGISTICS DEPT.; P.O. BOX 4413, MA2050; HOUSTON, TEXAS
(Name and address of purchaser)
3. Location of installation E.I. DUPONT DE NEMOURS & CO., INC.; BEAUMONT PLANT; BEAUMONT, TEXAS
(Name and address)
4. Type VERTICAL ABSORBER 913417 ---- JND70964 12325 1992
(HORIZ. or VERT. tank) (Mfr.'s serial No.) (ICRN) (Drawing) (Net 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 1989
Year
- 1989 ---- -----
Addenda (date) Code Case No. Special service per UG-120(d)

Items 6-11 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers

6. Shell: SA-240-304L 3/4" NONE 10'-6" 68'-11-1/4"
Matl. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft & in.) Length (Overall) (ft & in.)
7. Seams: DOUBLE BUTT SPOT 85% NONE
Long. (Dbl., Sngl.) R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F)
- DOUBLE BUTT SPOT 7
Time Girth (Dbl., Sngl.) R.T. (Spot, Partial, or Full) No. of Courses
8. Heads: (a) Matl. SA-240-304L (Spec. No., Grade) (b) Matl. SA-240-304L (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	7/8"	NONE	120"	7-3/4"					BOTH
(b)	BOTTOM	7/8"	NONE	120"	7-3/4"					BOTH

If removable, bolts used (describe other fastenings)

(Matl., Spec. No., Gr., Size, No.)

9. Type of Jacket _____ Proof Test _____
10. Jacket Closure _____ If bar, give dimensions _____ If bolted, describe or sketch.
(Describe as ogee & weld, bar, etc.)
11. MAWP INT 125; EXT 5.8 psi at max. temp. 200 °F. Min. design metal temp. +20 °F at MAWP psi.
Hydro., ~~XXXXXXX~~ test press. 190 psi. IN HORIZONTAL POSITION

Items 12 and 13 to be completed for tube sections

12. Tubesheets: Stationary Matl. (Spec. No., Gr.) Diam. (in.) (Subject to pressure) Nom. Thk. (in.) Corr. Allow. (in.) Attach. (Welded, Bolted)
- Floating Matl. (Spec. No., Gr.) Diam. (in.) Nom. Thk. (in.) Corr. Allow. (in.) Attach.
13. Tubes: Matl. (Spec. No., Gr.) O.D. (in.) Nom. Thk. (in. or Gauge) Number Type (Straight or "U")

Items 14-17 incl. to be completed for inner chambers of jacketed vessels or channels of heat exchangers

14. Shell: Matl. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft & in.) Length (Overall) (ft & in.)
15. Seams: Long. (Dbl., Sngl.) R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F)
- Time Girth (Dbl., Sngl.) R.T. (Spot, Partial, or Full) No. of Courses
16. Heads: (a) Matl. ----- (Spec. No., Grade) (b) Matl. ----- (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)										
(b)										

If removable, bolts used (describe other fastenings)

(Matl., Spec. No., Gr., Size, No.)

17. MAWP _____ psi at max. temp. _____ °F. Min. design metal temp. _____ °F at _____ psi.
Hydro., pneu., or comb. test press. _____ psi.

Eastern Stainless
P.O. 11096

FORM U-2 MANUFACTURER'S PARTIAL DATA REPORT
A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

2-2

1. Manufactured and certified by Trinity Industries Inc., 11861 Mosteller Road, Cincinnati, OH 45241
(Name and address of manufacturer)
2. Manufactured for Nooter Corp., 125 Rutger St., St. Louis, MO 63104
(Name and address of purchaser)
3. Location of installation Unknown
(Name and address)
4. Type 2-22414-1-2 1991
(Mater. or vert. tank) (Mfg's serial No. of Part) (CRN) (Drawing No.) (Mat'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 1989
Year
- 1989
Addenda (Date) Code Case No. Special service per UG-120(d)

6. (a) Drawing prepared by _____ (b) Description of part inspected See Remarks
7. Postweld heat treatment: Temp. _____ °F Time _____

Items 8-13 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers

8. Shell: _____
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft & in.) Length (overall) (ft & in.)
9. Seams: _____
Long. (Weld, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) EH. (%) H.T. Temp. (°F) Time Girth (Weld, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses
10. Heads: (a) Mat'l. SA240 304L (b) Mat'l. _____
(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)		.875		120	8.0					
(b)										

If removable, bolts used (describe other fastenings) _____
(Mat'l., Spec. No., Gr., Size, No.)

11. Type of Jacket _____ Proof Test _____
12. Jacket Closure _____ If bar, give dimensions _____
(Describe as open & weld, bar, etc.)
- If bolted, describe or sketch.
13. MAWP _____ psi at max. temp. _____ °F. Min. design metal temp. _____ °F at _____ psi.
Hydro., pneu., or comb. test press. _____ psi.

Items 14 and 15 to be completed for tube sections

14. Tubesheets: _____
Stationary Mat'l. (Spec. No., Gr.) Diam. (in.) (Subject to pressure) Nom. Thk. (in.) Corr. Allow. (in.) Attach. (Weld, Bolted)
- _____
Floating Mat'l. (Spec. No., Gr.) Diam. (in.) Nom. Thk. (in.) Corr. Allow. (in.) Attach.
15. Tubes: _____
Mat'l. (Spec. No., Grade) O.D. (in.) Nom. Thk. (in. or gauge) No. Type (straight or "U")

Items 16-18 incl. to be completed for inner chambers of jacketed vessels or channels of heat exchangers

16. Shell: _____
Mat'l. (Spec. No., Gr.) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft & in.) Length (overall) (ft & in.)
17. Seams: _____
Long. (Weld, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) EH. (%) H.T. Temp. (°F) Time Girth (Weld, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses
18. Heads: (a) Mat'l. _____ (b) Mat'l. _____
(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)										
(b)										

If removable, bolts used (describe other fastenings) _____
(Mat'l., Spec. No., Grade, Size, No.)