

FORM U-1-A MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS

Alternate Form For Single Chamber Completely Shop Fabricated Vessels Only s/o R105422

1. Manufactured by Trinity Industries, Inc. P. O. Box 1529 Rocky Mount, North Carolina
(Name and address of the manufacturer)

2. Manufactured for Thomas Associates, Inc. P.O. Box 550 Westfield, New Jersey
(Name and address of the purchaser)

3. Type Horiz. Vessel No. (373332) (Mfrs. Serial) (State & State No.) Nat'l. Bd. No. 44900 Yr. Built 1970
(Horiz. or Vert.)

4. SHELL: Mat'l. SA-515-70 T.S. 70,000 Nom. Thk. .770 in. Allow. 0 in. Diam. 8 ft. 10 in. Length 67 ft. 9375 in.
(Kind and Spec. No.) (Fig. or P.B. & Spec. Min. T.S.)

5. SEAMS: Long D.B. Weld H.T. No X.R. Comp. Section No Efficiency 100 %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth D.B. Weld H.T. No X.R. Comp. Sectioned No No. of Courses 7

6. HEADS: (a) Material SA-515-70 T.S. 70,000 (b) Material SA-515-70 T.S. 70,000

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) <u>End</u>	<u>.770</u>			<u>2.1</u>				<u>Concave</u>
(b) <u>End</u>	<u>.770</u>			<u>2.1</u>				<u>Concave</u>

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

If riveted or brazed describe seams fully under remarks.

7. Constructed for max. allowable working press. 250 psi. at max. temp. 125 °F. Min. temp. (when less than -20°) _____ °F. Test Press. 375 psi.
Hydrostatic Pneumatic or Combination

8. SAFETY OR RELIEF VALVE OUTLETS: Number 1 Size 4" Location Manway Cover

9. NOZZLES:

Purpose, (Inlet Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
<u>Level Ga.</u>	<u>1</u>	<u>2.5"</u>	<u>Cplg.</u>	<u>F.S.</u>	<u>3000#</u>		<u>Welded</u>
<u>Liquid</u>	<u>1</u>	<u>2"</u>	<u>PadTypeFig</u>	<u>SA-515-60</u>	<u>300#</u>		<u>Welded</u>
<u>Press. Ga.</u>	<u>1</u>	<u>.75"</u>	<u>Cplg.</u>	<u>F.S.</u>	<u>6000#</u>		<u>Welded</u>
<u>Thermo</u>	<u>1</u>	<u>.5"</u>	<u>Pipe</u>	<u>SA-106-B</u>	<u>XX-Stg.</u>		<u>Welded</u>

10. INSPECTION Manholes, No. 1 Size 18" Location Shell Top Centerline

OPENINGS Handholes, No. _____ Size _____ Location _____

Threaded, No. _____ Size _____ Location _____

11. SUPPORTS: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
(Yes or No) (Number) (Number) (Describe) (Where & How)

12. REMARKS: 106" I.D. 30,000 WG Storage Tank w/manway, ladder & platform
Fabricated per drawing 105422-1,2-3
heads 2:1 Ellip Ratio Not treated and xrayed complete

(Brief description of purpose of the vessel, as Air Tank, Water Tank, L.P.G., Etc. -- State Content.)
 1 If postweld heat-treated.
 2 List other internal or external pressures with coincident temperature when applicable.

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 unfired Pressure Vessels.

Date October 3 1970 Signed Trinity Industries, Inc. By L. A. Repple
(Manufacturer)

Certificate of Authorization Expires December 31, 1970

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY Trinity Industries, Inc. at Rocky Mount, N.C.

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of North Carolina and employed by N.C. Dept. of Labor Boiler Bureau of North Carolina have inspected the pressure vessel described in this manufacturer's data report on October 3, 1970, and state that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the applicable sections of the ASME Boiler and Pressure Vessel Code.

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 October 3 1970

Inspector's Signature [Signature] Commission US 4451
Nat'l. Board of State and No.