

FORM U-1-A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSEL  
 Alternate Form For Single Chamber Completely Shop Fabricated Vessels Only  
 As Required By The Provisions Of The ASME Code Rules, Section VIII, Division 1.

9-13-77

T-608408

1. Manufactured by Trinity Industries Inc. 160 N. Rockford Tulsa, OK  
 (Name and address of the manufacturer)  
 2. Manufactured for K. A. Bergquist Mahwah, N. J.  
 (Name and address of the purchaser)

3. Type Horiz. Vessel No. (608408) (Mfrs. Serial) (State & State No.) Nat'l. Bd. No. 77122 Yr. Built 1976

4. SHELL: Mat'l SA-612-B T.S. 81,000 Nom. Thk. 8125 in. Corr. Allow. 0 in. Diam. 10 ft. 10 in. Length 134 ft. 0.25 in.  
 (Kind and Spec. No.) (Fig. or F.B. & Spec. Min. T.S.)

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

If riveted or brazed describe seams fully under remarks.

Girth Dbl. Butt H.T. NO R.T. Comp Sectioned NO No. of Courses 17  
 6. HEADS: (a) Material SA-455-B T.S. 73,000 (b) Material SA-455-B T.S. 73,000

	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>.527"</u>					<u>65.285</u>		<u>Concave</u>
(b)	<u>End</u>	<u>.527"</u>					<u>65.285</u>		<u>Concave</u>

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

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

8. SAFETY OR RELIEF VALVE OUTLETS: Number 2 Size 4" Location Shell top ctr. line

9. NOZZLES:

Purpose, (Inlet Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
<u>Fluid In</u>	<u>1</u>	<u>4"</u>	<u>RF Pad</u>	<u>SA-515-70</u>	<u>300#</u>	<u>Integral</u>	<u>Welded</u>
<u>Fluid Out Vap.</u>	<u>2</u>	<u>3"</u>	<u>RF Pad</u>	<u>SA-515-70</u>	<u>300#</u>	<u>Integral</u>	<u>Welded</u>
<u>Level</u>	<u>1</u>		<u>Roch22-17 Adapter</u>			<u>SA-612-B</u>	<u>Welded</u>
<u>Vapor</u>	<u>1</u>	<u>2"</u>	<u>Cplg.</u>	<u>SA-105</u>	<u>6000#</u>		<u>Welded</u>
<u>Therm, Press</u>	<u>2</u>	<u>3/4"</u>	<u>Cplg.</u>	<u>SA-105</u>	<u>6000#</u>		<u>Welded</u>
<u>Rotary</u>	<u>1</u>	<u>2"</u>	<u>Cplg.</u>	<u>SA-105</u>	<u>3000#</u>		<u>Welded</u>

10. INSPECTION Manholes, No. 1 Size 18" Location \_\_\_\_\_  
 OPENINGS Handholes, No. \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_  
 Threaded, No. \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_

11. SUPPORTS: Skirt NO Lugs (Number) \_\_\_\_\_ Legs (Number) \_\_\_\_\_ Other (Describe) \_\_\_\_\_ Attached (Where & How) \_\_\_\_\_

12. REMARKS: 130" diameter - 90,000 W.G. Bulk Storage Tank Per Dwg. #608406-1 Tank to be used in non corrosive service.

(Brief description of purpose of the vessel, as Air Tank, Water Tank, L.P.G., Etc.—State contents.)

- 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 Pressure Vessels, Section VIII, Division 1.

Date March 16, 19 76 Signed Trinity Industries Inc. By [Signature]  
 (Manufacturer)

Certificate of Authorization Expires January 7, 1977

**CERTIFICATE OF SHOP INSPECTION**

VESSEL MADE BY Trinity Industries Inc. at Tulsa, OK

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 Arkansas and employed by Commercial Union Insurance Companies of Boston, Mass. have inspected the pressure vessel described in this manufacturer's data report on March 16, 19 76, 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 March 16, 19 76  
[Signature] Inspectors Signature  
 Commissions Ark. # 724 Nat'l B# 7935  
 Nat'l. Board, State, or Province and No.