

FORM U-1-A MANUFACTURERS' DATA REPORT FOR UNFIRED 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.

T-602209

Tank # 5

1. Manufactured by Trinity Industries, Inc. 160 N. Rockford, Tulsa, Okla.  
(Name and address of the manufacturer)

2. Manufactured for New Jersey Prop ane c/o Johnson & Johnson New Brunswick, N.J.  
(Name and address of the purchaser)

3. Type Horiz. Vessel No. (394176) (Mfrs. Serial) (State & State No.) Nat'l. Bd. No. 67481 -- Yr. Built 1973

4. SHELL: Mat'l. SA-612-B T.S. 81,000 Nom. Thk. .6733 in. Corr. Allow. 0 in. I.S. 9 ft. 0 in. O.A. 65 ft. 11.375 in.  
(Kind and Spec. No.) (Fig. or F.B. & Spec. Min. T.S.)

5. SEAMS: Long Db'l. Butt H.T. No R.T. Comp. Section No Efficiency 100 %  
(Welded, Db'l., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

6. HEADS: (a) Material SA-455-B T.S. 73,000 (b) Material SA-455-B T.S. 73,000  
Girth Db'l. Butt H.T. No R.T. Comp. Sectioned No No. of Courses 6

Heads are spot R.T.  
(Top, bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter Side to Pressure (Convex or Concave)

(a) End .4375" 54.2" I.S. Concave

(b) End .4375" 54.2" I.S. Concave

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. Hydrostatic Test Press. 375 psi.

8. SAFETY OR RELIEF VALVE OUTLETS: Number 3 Size 2" Location Shell top centerline

9. NOZZLES:

Purpose, (Inlet Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
Liq. Out	2	3"	Cplg.	F.S.	6000#		Welded
Lev. Ga.	1	2.5"	Cplg.	F.S.	3000#		Welded
Fill, Vapor	5	2"	Cplg.	F.S.	3000#		Welded
Thermo	1	.75"	Cplg.	F.S.	6000#		Welded
LL & PG	1	.75"	Cplg.	F.S.	6000#		Welded
Rotary	1	1"	Cplg.	F.S.	3000#		Welded

10. INSPECTION Manholes, No. 1 Size 18" Location Shell top centerline

OPENINGS Handholes, No. \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_

Threaded, No. \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_

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

12. REMARKS: 108" Diam. - 30,000 W.G. LPG Bulk Storage Tank Per Dwg. 602200-1  
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 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 the vessel conform to the ASME Code for Unfired Pressure Vessels, Section VIII, Division 1.

Date December 13 19 73 Signed Trinity Industries, Inc. By Jim Nelson  
(Manufacturer)

Certificate of Authorization Expires January 7, 1974

**CERTIFICATE OF SHOP INSPECTION**

VESSSEL MADE BY Trinity Industries, Inc. at Tulsa, Okla

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of New York and employed by Employer's Commercial Union Ins. Co. of Boston, Mass. have inspected the pressure vessel described in this manufacturer's data report on December 13 19 73, 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 December 13 19 73  
Inspectors Signature \_\_\_\_\_ Commissions New York #2234  
Nat'l. Board, State, or Province and No.