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. S/O T-105318

1. Manufactured by Trinity Industries, Inc. 100 North Rockford Tulsa, Oklahoma
(Name and address of the manufacturer)

2. Manufactured for Applied Engineering Company 506 P.O. Box Orangeburg, S. Carolina
(Name and address of the purchaser)

3. Type Horiz. (Horiz. or Vert.) Vessel No. (373215) (Mfrs. Serial) (------) (State & State No.) Nat'l. Bd. No. ------ Yr. Built 1970

4. SHELL: Mat'l. SA-515-70 (Kind and Spec. No.) T.S. 70,000 (Fig. or F.B. & Spec. Min. T.S.) Nom. Thk. .9375 in. Corr. Allow. - in. I.S. Diam. 10 ft. 10 in. Length 90 ft. 7.8125 in.

5. SEAMS: Long D.B. Weld (Welded, Dbl., Single, Lap, Butt) H.T. No (Yes or No)[1] P.T. Comp. (Spot or Complete) Section No (Yes or No) Efficiency 100 %

Girth D.B. Weld H.T. No P.T. Comp. Sectioned No No. of Courses 8

If riveted or brazed describe seams fully under remarks.

* 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)	End	.525"					I.S. 65"		Concave
(b)	End	.525"					I.S. 65"		Concave

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

7. Constructed for max. allowable working press.[2] 250 psi. at max. temp. 125 °F. Min. temp. (when less than -20°) --- °F. Hydrostatic / Pneumatic / Combination Test Press. 375 psi.

8. SAFETY OR RELIEF VALVE OUTLETS: Number 3 Size 4.124" Location Manway Cover

9. NOZZLES:

Purpose, (Inlet Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
Liq. Out	1	3"	Pad Type Flg	SA-515-60	300#	---	Welded
Liq. In	1	3"	Pad Type Flg	SA-515-60	300#	---	Welded
Therm.	1	.50"	Pipe	SA-106-B	XX-STG	---	Welded
Float Ga.	1	2.875"	Neck Weld Flg	C.S.	.277"	---	Welded
P.G.&L.L.	1	.75"	Cplg.	F.S.	6000#	---	Welded
Roto Ga.	1	1"	Cplg.	F.S.	3000#	---	Welded
Vapor	1	2"	Pad Type Flg	SA-515-60	300#	---	Welded

10. INSPECTION OPENINGS Manholes, No. 1 Size 18" Location Shell Top Centerline
Handholes, No. ____ Size ____ Location ____
Threaded, No. ____ Size ____ Location ____

11. SUPPORTS: Skirt ____ (Yes or No) Lugs ____ (Number) Legs ____ (Number) Other Saddles (Describe) Attached Shell-Welded (Where & How)

12. REMARKS: 130" I.D. - 60,000 W.G. Bulk Storage Tank DWG. No. 105299-1
* Heads Are Postweld Heat Treated Per Code & Spot X-Rayed.

(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, Section VIII, Division 1.

Date October 12, 19 70 Signed Trinity Industries, Inc. (Manufacturer) By [signature]

Certificate of Authorization Expires December 31, 1970

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY Trinity Industries, Inc. at Tulsa, Oklahoma

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Oklahoma and employed by Employers Mutual Ins. Of Wausau of Wausau, Wisconsin have inspected the pressure vessel described in this manufacturer's data report on October 12, 19 70, 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 16, 19 70

[signature] Inspectors Signature Commissions Okla. #242 Nat'l. Board or State or Province and No.

Form No. TRI