



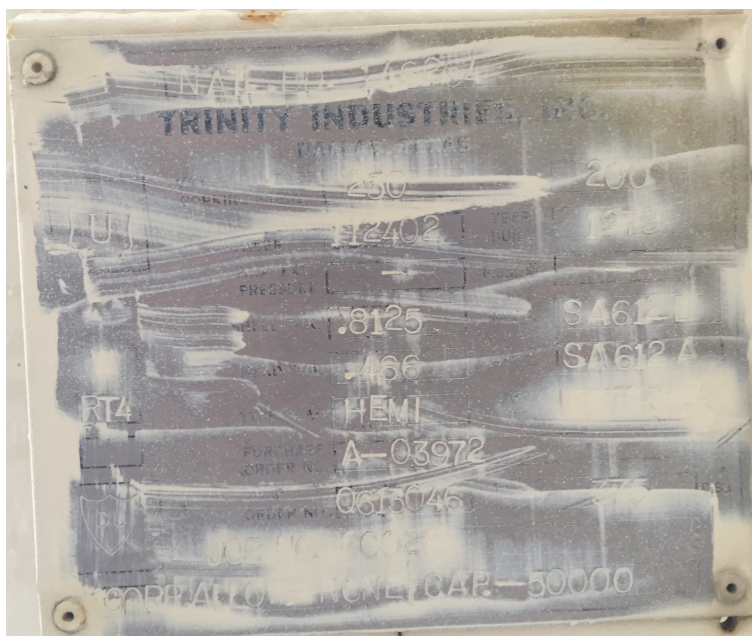
TRANSTECH ENERGY

50,000-Gallon Storage Vessel Casper, WY

VESSEL SPECIFICATIONS

Manufacturer	Year	Capacity	PSI	Serial Number/ National Board Number
Trinity	1979	50,000	250	112402 / 146264

The vessel listed is ASME certified and was manufactured by Trinity Industries. It is National Board registered with a U-1A. This is a steel vessel that is 132-inches in diameter and 76-foot in length. The hemispherical heads are .466" thick and the shell is .8125" thick. The entire vessel is made of SA-612 steel and includes welded steel saddles.



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

R.R.C. of Tex
Form LPG-5

(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 0613045 & 46

1. Manufactured by **TRINITY INDUSTRIES, INC.** 1001 RAINER ROAD WEST MEMPHIS, AR 72301
2. Manufactured for **FENIX & SCISSON, INC.; P.O. BOX 3880; CASPER, WY. 82601**
3. Location of Installation _____
4. Type **HORIZ.** 112402 613045-1 146264 (Year Built) 1979
(Horiz. or vert. tank) (Mfr's Serial No.) (CRN) (Drawing No.) (Nat'l Bld No.)
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 1977 and Addenda to 12/78 (Date) and Code Case Nos. _____

Special Service per UG 120(d) _____

Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: **HEADS A & B: 342-11 & 377-03**

6. Shell: Matl. **SA-612-B** Nom. Thk. **.8125** Corr. in. Allow. **0** in. Diam. **131.875** in. Lgth. **75** ft. **10.5625**
(Spec. No., Grade)
7. Seams: Long **DBL. BUTT** R.T. **FULL** Efficiency **100** % H.T. Temp. _____ F. Time _____ hr.
(Welded, Dbl. Sngl, Lap, Butt) (Spot or Full)
- Girth **DBL. BUTT** R.T. _____ (Spot, Partial, or Full) No. of Courses **9**
(Welded, Dbl, Sngl, Lap, Butt)
8. Heads: (a) Material **SA-612-A** (Spec. No., Grade) (b) Material **SA-612-A** (Spec. No., Grade)
- SEG. SEAMS: DBL. BUTT; R.T.: SPOT; EFF: 85%; H.T.: HOT FORMED**

	Location (Top, Bottom, Ends)	Min. Thk.	Corr. Allow.	Crown Radius	Knuckle Radius	Ellipse Ratio	Conical Apex Angle	Hemish. Radius	Flat Diam.	Side to Pressure (Convex or Concave)
(a)	END	.466"	0"					65.4715"		CONCAVE
(b)	END	.466"	0"					65.4715"		CONCAVE

If removable, bolts used (describe other fastenings) _____

9. Constructed for max. allowable working pressure **250** (Material, Spec. No., Gr., Size, No.)
less than -20 F) _____ psi at max. temp. **200°** F. Min. temp. (when
F. Hydrostatic, pneumatic, or combination test pressure **375** psi.
10. Safety Valve Outlets Number **2** Size **4"** Location **TOP CTR. LINE SHELL**
11. Nozzles and Inspection Openings:

	Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
VAP. BRIDLE		5	2"	R.F.W.N.F.	SA-181-1	300#		WELDED	SHELL
DRAIN, INLET									
OUTLET		1	6"	R.F.W.N.F.	SA-181-1	300#	SA-612-B	WELDED	SHELL
CIRCULATION		1	3"	R.F.W.N.F.	SA-181-1	300#	SA-612-B	WELDED	SHELL
THERM. PRESS. HLA		2-2	1"- .75"	SPCL. CPLG	SA-105	6000#		WELDED	HEAD
SAMPLE		1	.5"	SPCL. CPLG	SA-105	6000#		WELDED	HEAD
LEVEL		1	2.5"	N. CPLG.	SA-105	6000#		WELDED	HEAD
MANWAY		1	18"	R.F. PAD TYP. FLG.	SA-105	250#	INTEGRAL	WELDED	SHELL

12. Supports: Skirt **NO** Lugs **0** Legs **0** Other **saddles clips** Attached **WELDED HD & SHELL**
(Yes or No) (No.) (No.) (Describe) (Where and How)

13. Remarks: **130"Ø - 50000 W.G. LPG BULK STORAGE TANK**
TANK TO BE USED IN NON CORROSIVE SERVICE.

Drawing No. _____

Approved By _____

on _____

CERTIFICATE OF COMPLIANCE

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 **10/15/79**Signed **TRINITY IND. INC.** by  (Representative)"U" Certificate of Authorization No. **12,059**Expires **DECEMBER 31,****1979**

CERTIFICATE OF SHOP INSPECTION

Vessel made by **TRINITY INDUSTRIES, INC.** at **WEST MEMPHIS,**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 ASSOC. CO** have inspected thepressure vessel described in this Manufacturer's Data Report on **8/10/1979** and states that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied concerning the pressure vessel described in the 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.Signed  (Inspector)Date **10/15/79**Commissioned  (National Board, State, Province and Fed.)

(National Board, State, Province and Fed.)