

Aug 21 07 06:55p

P. 7

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
 (Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by TRINITY INDUSTRIES, INC., 1549 VANCE STREET, ROCKY MOUNT, NC PLANT #04
(NAME AND ADDRESS OF MANUFACTURER)

Manufactured for ENGINEERED SYSTEMS, 3404 LEGAREVILLE RD, JOHNS ISLAND, SC 29455
(NAME AND ADDRESS OF PURCHASER)

3. Location of installation ENGINEERING SYSTEMS C/O GRACE COMPLEX, SPRINGS INDUSTRIES, INC, GRACE AVE.
(NAME AND ADDRESS) LANCASTER, SC 29271

4. Type HORIZ 122126 646172rB 85715 1995
(HORIZ OR VERT TANK) (MPQR'S SERIAL NO.) (CRN) (DRAWING NO.) (NATL. BD. NO.) (YEAR BUILT)

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 1992
YEAR

to A94 ADDENDA (DATE) CODE CASE NOS. SPECIAL SERVICE PER UG 120 (D)

6. Shell: SA612 .8125" 0" 10'-10.25" 36'-0"
MATL. (SPEC. NO., GRADE) (NOM. THK. (IN.)) (CORR. ALLOW. (IN.)) (DIAM. I.D. (FT. & IN.)) (LENGTH (OVERALL) (FT. & IN.))

7. Seams: WELD, DBL FULL 100% WELD, DBL FULL 4
LONG (WELDED, DBL, SINGL. LAP, BUTT) (R.T. (SPOT OR FULL)) (EFF. (%)) (TIME (HR.)) (GIRTH (WELDED, DBL, SINGL. LAP, BUTT)) (R.T. (SPOT, PARTIAL, OR FULL)) (NO. OF COURSES)

8. Heads: (a) Matl. SA612 HOT FORMED, NORM. (b) Matl. SA612 HOT FORMED, NORM.
(SPEC. NO., GRADE) (SPEC. NO., GRADE)

Seg. Seams: WELD, DBL H.T.: SPOT E.H.: 85%

LOCATION (TOP, BOTTOM, ENDS)	MINIMUM THICKNESS	CORROSION ALLOWANCE	CROWN RADIUS	KNUCKLE RADIUS	ELLIPTICAL RATIO	CONICAL APEX ANGLE	HEMISPHERICAL RADIUS	FLAT DIAMETER	SIDE TO PRESSURE (CONVEX OR CONCAVE)
(A) END	466"	0"					65.47"		CONCAVE
(B)	466"	0"					65.47"		CONCAVE

If removable, bolts used (describe other fastenings) _____ (MATL. SPEC. NO., GR., SIZE, NO.)

9. MAWP 250 psi at max. temp. 125 °F
 Min. design metal temp. 20 °F at 250 psi. Hydrostatic test pressure 375 psi.

Nozzles, inspection and safety valve openings: UW-16.1

PURPOSE (INLET, OUTLET, DRAIN)	NO.	DIAM OR SIZE	TYPE	MATL.	NOM THK	REINFORCEMENT MATL.	HOW ATTACHED	LOCATION
MANWAY	1	18"	SOFLG	SA105	0.50"	SA612	(h)	SHELL
SPARE	2	2"	CPLG	SA105	3000#		(y-2)	

11. Supports: Skirt NO Lugs NO Legs NO Other Attached
(YES OR NO) (NO) (NO) (DESCRIBE) (WHERE AND HOW)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: TRINITY HEAD #1: 958-62 #2: 958-58
(NAME OF PART, ITEM NUMBER, MPQR'S, NAME AND IDENTIFYING STAMP)

TANK, STORAGE U/G: 131.875" OD x 30.000 NOM WG. TO BE USED IN A NON-CORROSIVE SERVICE. HEADS HAVE A 2"-3000# CPLG W/PLUGS SEAL WELDED.
LINE 9: MDMT/PSI BASED ON UCS-66(a), UCS-66(b) AND UG-20(f). MDMT -20F AT 150 PSI.

CERTIFICATE OF SHOP 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. "U" Certificate of Authorization No. 10.829 which expires JULY 18 19 97
 Date 9-21-95 Co. Na. TRINITY INDUSTRIES, INC PLANT #04 Signed E. H. D. [Signature]
MANUFACTURER REPRESENTATIVE

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by TRINITY INDUSTRIES, INC PLANT #04 at ROCKY MOUNT, NC
 the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of NORTH CAROLINA and employed by OLD REPUBLIC INSURANCE COMPANY
 have inspected the component described in this Manufacturer's Data Report on SEPTEMBER 21, 19 95 and state 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.
 Date 9-25-95 Signed [Signature] Commissions NC 1332 NATL BD 10867 A
(AUTHORIZED INSPECTOR) (NATL BOARD (INCL. ENDORSEMENTS), STATE, PROV. AND NO.)