A200342 (E-2)

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 S/O T-615578

1984

1. Manufactured and certified by Trinity Industries, Inc., 160 N. Rockford, Tulsa, Oklahoma #27 12H2H1
(NAME AND ADDRESS OF MANUFACTURER)
2. Manufactured for Allwest Tankers Ltd., P. O. Box 532 - Station T, Calgary, Alberta, CANADA
(NAME AND ADDRESS OF PURCHASER)
3. Location of installation Allwest Tankers Ltd. c/o McDonald Engineering, Sylvan Lake, Alberta
(NAME AND ADDRESS)
4. Type Horiz. (HORIZ. OR VERT. TANK) 114897 (MFGR'S SERIAL NO.) * (CRN) S-40803 (DRAWING NO.) 145 (NAT'L. BD. NO.) 1983 (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 1980 (YEAR)
to 6-82 (ADDENDA (DATE)) - (CODE CASE NOS.) A 200342 - Duplicate (SPECIAL SERVICE PER UG 120(b))
6. Shell: SA-612 (MATL (SPEC. NO., GRADE)) .673 (NOM. THK. (IN.)) 0 (CORR. ALLOW. (IN.)) 9' 0" (DIAM. I.D. (FT. & IN.)) 57' 0" (LENGTH (OVERALL) (FT. & IN.)) E.W. 30
7. Seams: Dbl. Butt (LONG. (WELDED, BUTT, DBL. OR SGL. BUTT)) Full (R.T. (SPOT OR FULL)) 100% (EFF. (%)) - (H.T. TEMP. (F)) - (TIME (HR.)) Dbl. Butt (CIRC. (WELDED, DBL. OR SGL., LAP, BUTT)) Full (R.T. (SPOT, PARTIAL, OR FULL)) 8 (NO. OF COURSES)
8. Heads: (a) Matl. SA-612 (SPEC. NO., GRADE) (b) Matl. (SPEC. NO., GRADE)
Seg. Seams: Dbl. Butt H.T.: Hot Formed R.T.: Spot Eff: 85%

	LOCATION (TOP, BOTTOM, ENDS)	MIN. NOM. THICKNESS	CORROSION ALLOWANCE	CROWN RADIUS	KNUCKLE RADIUS	ELLIPTICAL RATIO	CONICAL APEX ANGLE	HEMISPHERICAL RADIUS	FLAT DIAMETER	SIDE TO PRESSURE (CONVEX OR CONCAVE)
(a)	Ends	.387	0"	-	-	-	-	54.286"	-	Concave
(b)										

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

9. MAWP 250 psi at max. temp. 125 °F
Min. temp. (when less than - 20°F) °F. Hydro., ~~pneumatic~~ test pressure 375 psi.
10. Nozzles, inspection and safety valve openings:

PURPOSE (INLET, OUTLET, DRAIN)	NO.	SIZE OR DIA.	TYPE	MATL.	NOM. THK.	REINFORCEMENT MATL.	NOM. ATTACHED Fig.	LOCATION
Safety Va.	3	2"	Cplg.	SA-105	6000#	-	34	-
Liq. Out	1	3"	Cplg.	SA-105	6000#	-	33	-
Fill, Vapor	3	2"	Cplg.	SA-105	3000#	-	34,33	-
Level Ga.	1	2.5"	Cplg.	SA-105	3000#	-	30	-
Rotary Ga.	1	2"	Cplg.	SA-105	3000#	-	30	-
Therm.	1	.75	Cplg.	SA-105	6000#	-	30	-
LL & PG	1	.75	Cplg.	SA-105	6000#	-	30	-
Manhole	1	15"	Pad Type	SA-515-70	250#	Integral	30	-

11. Supports: Skirt No (YES OR NO) Lugs 4 (Grd.) (NO.) Legs - (NO.) Other - (DESCRIBE) Attached Welded to Head (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: 6,7,8. SN-615426-1, 834-86, 835-20
(NAME OF PART, ITEM NUMBER, MFGR'S NAME AND IDENTIFYING STAMP)

108" I.D. 30,000 W.G. Bulk Storage Tank To Be Used in a Non-Corrosive Service.

*CRN E-3680.12345678

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. 16527 expires April 8, 1984.

Date 7/14/83 Co. name Trinity Industries, Inc. (MANUFACTURER) Signed (REPRESENTATIVE)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed 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 or Province of Oklahoma and employed by Commercial Union Insurance Co. have inspected the component described in this Manufacturer's Data Report on July 14, 1983, 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 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 7-14-83 Signed (AUTHORIZED INSPECTOR) Commissions OK 252 NB #5298 (NAT'L BOARD (INCL. ENDORSEMENTS), STATE, PROV. AND NO.)

TRI 437 (R 2/83)

MAR 15 1984

A200342

S/C H-1835
109" F

FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

A part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. (a) Manufactured by Trinity Industries, Inc. 1901 Brennan, Ft. Worth, Tx 76106
   (b) Manufactured for Trinity Industries, Inc.
2. 835-20 (Mfgs. Ser. No. of Part) ____ (CRN) S-40293 (Dwg.) ____ (Nat'l Bd. No. of Part) 1983 (Year Built)
3. (a) Drawing Prepared by Trinity Industries, Inc.
   (b) Description of Part Inspected Hemispherical Head Fitted
4. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME Boiler and Pressure Vessel Code. The construction and workmanship conform to ASME Rules, Section VIII, Division 1, 1980 (Year)
   and Addenda through June 1982 (Date) and Code Case No. ____
5. Special Service per UG-120(d) ____
6. Postweld Heat Treatment: Temperature ____ °F. Time ____

Items 7-12 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers

7. Shell: ____ (Matl. (Spec. No., Grade)) ____ (Nom. Thk. (in.)) ____ (Corr. Allow. (in.)) ____ (Diam. (ft. & in.)) ____ (Length (over all) (ft. & in.))
8. Seams: Longitudinal ____ (Welded, Dbl., Sngl., Lap, Butt) R.T. ____ (Spot or Full) Efficiency ____ %
   H.T. Temp. ____ °F. Time ____ (Hr.) Girth ____ (Welded, Dbl., Sngl., Lap, Butt)
   R.T. ____ (Spot, Partial, Or Full) No. of Courses ____
9. Heads (a) Material SA-612 (Spec. No., Grade) (b) Material ____ (Spec. No., Grade)

	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)		.387"	--	--	--	--		54.673"	--	Concave
(b)										

If removable, bolts used (describe other fastenings) ____ (Material, Spec., No., Grade, Size, No.)

10. Type of Jacket ____ Proof Test ____
11. Jacket Closure ____ (Describe as ogee & weld, bar, etc.) If bar, give dimensions ____
    If bolted, describe or sketch.
12. Constructed for max. allowable working pressure ____ psi at max. temp. ____ °F. Min. temp. (when less than −20°F.) ____ °F. Hydrostatic, pneumatic, or combination test pressure ____ psi.

Items 13 and 14 to be completed for tube sections

13. Tubesheets: ____ (Stationary Matl. (Spec. No., Grade)) ____ (Diam. (in.) (Subject to pressure)) ____ (Nom. Thk. (in.)) ____ (Corr. Allow (in.)) ____ (Attach. (Wld., Bolted))
    ____ (Floating Matl. (Spec. No., Grade)) ____ (Diam. (in.)) ____ (Nom. Thk. (in.)) ____ (Corr. Allow (in.)) ____ (Attach)
14. Tubes: Material ____ (Spec. No., Gr.) O.D. ____ in. Nominal Thickness ____ in. or gauge
    Number ____ Type ____ (Straight or "U")

Items 15-18 incl. to be completed for inner chambers of jacketed vessels or channels of heat exchangers

15. Shell: Material ____ (Spec. No., Grade) Nominal Thickness ____ in. Corrosion Allowance ____ in.
    Diam. ____ ft. ____ in. Length ____ ft. ____ in.
16. Seams: Longitudinal ____ (Welded, Dbl., Sngl., Lap, Butt) R.T. ____ (Spot or Full) Efficiency ____ %
    H.T. Temp ____ °F. Time ____ (Hr.) Girth ____ (Welded, Dbl., Sngl., Lap, Butt) R.T. ____ (Spot, Partial or Full) No. of Courses ____
17. Heads: (a) Material ____ (Spec. No., Grade) (b) Material ____ (Spec. No., Grade)

	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)										
(b)										

18. Constructed for max. allowable working pressure ____ psi at max. temp. ____ °F. Min. temp. (when less than −20°F.) ____ °F. Hydrostatic, pneumatic, or combination test pressure ____ psi.

TRI 437-A (R 12/81)

MAR 15 1984

A200342

Items below to be completed for all vessels where applicable

19. Safety Valve Outlets: Number _____ Size _____ Location _____

20. Nozzles:

PURPOSE (INLET, OUTLET, DRAIN)	NUMBER	DIAM. OR SIZE	TYPE	MATERIAL	NOMINAL THICKNESS	REINFORCEMENT MATERIAL	HOW ATTACHED
Thermo PG LL	2	3/4"	Cplg.	SA-105	6000#	--	Welded
Float GA	1	2½"	Cplg.	SA-105	3000#	--	Welded
Manway	1	15"	Flg.	SA-515-70	250#	Inherent	Welded

21. Inspection Openings:
Manholes No. 1 Size 15" Location Top portion of head
Handholes No. _____ Size _____ Location _____
Threaded No. _____ Size _____ Location _____

22. Supports: Skirt _____ (Yes or No) Lugs _____ (No.) Legs _____ (No.) Other _____ (Describe)

Attached _____ (Where and How)

23. Remarks: * Head segments are hot formed, double butt welded, spot X-rayed seams with joint efficiency of 85% .387" min. thk. X 109.346" O.D. segmental hemispherical head.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that all details of material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.

Date 2-2-83 Signed Trinity Industries, Inc. (Manufacturer) by K. R. (Representative)

"U" Certificate of Authorization No. 11,454 expires March 14, 19 84.

CERTIFICATE OF SHOP INSPECTION

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 Texas and employed by Employers Casualty Co. of Dallas have inspected the part of a pressure vessel described in this Manufacturer's Partial Data Report on 2-2-19 83 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this part in accordance with the ASME Boiler and Pressure Vessel Code, Section VIII, Division 1.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Manufacturers' Partial 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 2-2-83

Signed Leonard V. Howard (Authorized Inspector) Commissions Texas 899 (Natl. Board, State Province and No.)

A200342

FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

A part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

S/O H-1834
109" B

1. (a) Manufactured by Trinity Industries, Inc. 1901 Brennan, Ft. Worth, Tex 76106
   (b) Manufactured for Trinity Industries, Inc.
2. 834-56 (Mfgs. Ser. No. of Part) — (CRN) — S-.0308 (Dwg.) — (Nat'l Bd. No. of Part) — 1983 (Year Built)
3. (a) Drawing Prepared by Trinity Industries, Inc.
   (b) Description of Part Inspected Hemispherical Head Blank
4. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME Boiler and Pressure Vessel Code. The construction and workmanship conform to ASME Rules, Section VIII, Division 1, 1980 (Year) and Addenda through December 1982 (Date) Code Case No. ____
5. Special Service per UG-120(a) ____
6. Postweld Heat Treatment: Temperature ____ °F. Time ____

Items 7-12 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers

7. Shell: ____ (Matl. (Spec. No., Grade)) ____ (Nom. Thk. (in.)) ____ (Corr. Allow. (in.)) ____ (Diam. (ft. & in.)) ____ (Length (over all) (ft. & in.))
8. Seams: Longitudinal ____ (Welded, Dbl., Sngl., Lap, Butt) R.T. ____ (Spot or Full) Efficiency ____ %
   H.T. Temp. ____ °F. Time ____ (Hr.) Girth ____ (Welded, Dbl., Sngl., Lap, Butt)
   R.T. ____ (Spot, Partial, Or Full) No. of Courses ____
9. Heads (a) Material SA-612 (Spec. No., Grade) (b) Material ____ (Spec. No., Grade)

	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)		.387"	--	--	--	--		54.673"	--	Concave
(b)										

If removable, bolts used (describe other fastenings) ____ (Material, Spec., No., Grade, Size, No.)

10. Type of Jacket ____ Proof Test ____
11. Jacket Closure ____ (Describe as open & weld, bar, etc.) If bar, give dimensions ____
    If bolted, describe or sketch.
12. Constructed for max. allowable working pressure ____ psi at max. temp. ____ °F. Min. temp. (when less than −20°F.) ____ °F. Hydrostatic, pneumatic, or combination test pressure ____ psi.

Items 13 and 14 to be completed for tube sections

13. Tubesheets: ____ (Stationary Matl. (Spec. No., Grade)) ____ (Diam. (in.) (Subject to pressure)) ____ (Nom. Thk. (in.)) ____ (Corr. Allow (in.)) ____ (Attach. (Wld., Bolted))
    ____ (Floating Matl. (Spec. No., Grade)) ____ (Diam. (in.)) ____ (Nom. Thk. (in.)) ____ (Corr. Allow (in.)) ____ (Attach)
14. Tubes: Material ____ (Spec. No., Gr.) O.D. ____ in. Nominal Thickness ____ in. or gauge ____
    Number ____ Type ____ (Straight or "U")

Items 15-18 incl. to be completed for inner chambers of jacketed vessels or channels of heat exchangers

15. Shell: Material ____ (Spec. No., Grade) Nominal Thickness ____ in. Corrosion Allowance ____ in.
    Diam. ____ ft. ____ in. Length ____ ft. ____ in.
16. Seams: Longitudinal ____ (Welded, Dbl., Sngl., Lap, Butt) R.T. ____ (Spot or Full) Efficiency ____ %
    H.T. Temp ____ °F. Time ____ (Hr.) Girth ____ (Welded, Dbl., Sngl., Lap, Butt) R.T. ____ (Spot, Partial or Full) No. of Courses ____
17. Heads: (a) Material ____ (Spec. No., Grade) (b) Material ____ (Spec. No., Grade)

	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)										
(b)										

18. Constructed for max. allowable working pressure ____ psi at max. temp. ____ °F. Min. temp. (when less than −20°F.) ____ °F. Hydrostatic, pneumatic, or combination test pressure ____ psi.

ALBERTA — File — MAR 19 1984 — Min. temp.

RECEIVED MAR 15 1984

TRI 437-A (R 12/81)

MAR 15 1984

A200342

Items below to be completed for all vessels where applicable

19. Safety Valve Outlets: Number _____ Size _____ Location _____

20. Nozzles:

PURPOSE (INLET, OUTLET, DRAIN)	NUMBER	DIAM. OR SIZE	TYPE	MATERIAL	NOMINAL THICKNESS	REINFORCEMENT MATERIAL	HOW ATTACHED
Roto Ga.	1	2"	Cplg.	SA-105	3000#	--	Welded

21. Inspection Openings:

Manholes No. _____ Size _____ Location _____

Handholes No. _____ Size _____ Location _____

Threaded No. _____ Size _____ Location _____

22. Supports: Skirt _____ (Yes or No) Lugs _____ (No.) Legs _____ (No.) Other _____ (Describe)

Attached _____ (Where and how)

23. Remarks: * Head segments are hot formed, double butt welded, spot X-rayed seams with joint efficiency of 85% .387" min. thk. X 109.346" O.D. segmental hemispherical head.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that all details of material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.

Date 5-25-83 Signed Trinity Industries, Inc. (Manufacturer) By _____ (Representative)

"U" Certificate of Authorization No. 11,454 expires March 14 19 84.

CERTIFICATE OF SHOP INSPECTION

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 Texas and employed by Employers Casualty Co. of Dallas have inspected the part of a prersure vessel described in this Manufacturer's Partial Data Report on 5-25-1983 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this part in accordance with the ASME Boiler and Pressure Vessel Code, Section VIII, Division 1.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Manufacturers' Partial 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 5-25-83

Signed Leonard L. Lemont (Authorized Inspector) Commissions Texas 899 (Natl. Board, State Province and No.)

A200342

FORM U-2 MANUFACTURER'S PARTIAL DATA REPORT

A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by TRINITY INDUSTRIES, INC. #22 1000 N.E. 28th St. Ft. Worth, Texas, 76106
   (NAME AND ADDRESS OF MANUFACTURER)
2. Manufactured for TRINITY INDUSTRIES, INC.
   (NAME AND ADDRESS OF PURCHASER)
3. Location of installation Plant #22 1000 N.E. 28th St. Ft. Worth Tx. 76106
   (NAME AND ADDRESS)
4. Type Horiz (HORIZ. OR VERT. TANK) | S/N 615426-1 (MFR'S SERIAL NO. OR PART) | (CRN) | 615426 (DRAWING NO.) | (NAT'L. BD. NO.) | 1983 (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 1980 (YEAR)

   12-82 (ADDENDA (DATE)) | (CODE CASE NO.) | (SPECIAL SERVICE PER UG 120(e))

6. (a) Drawing prepared by _____ (b) Description of part inspected _____
7. Postweld heat treatment: Temp. _____ °F Time _____

Items 8-13 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

8. Shell: SA-612 (MAT'L. (SPEC., NO., GRADE)) | .673 (NOM. THK. (IN.)) | 0" (CORR. ALLOW. (IN.)) | 9'1.346" (DIAM. I.D. (FT. & IN.)) | 65' 11 3/8" (LENGTH (OVERALL) (FT. & IN.))
9. Seams: Welded Dbl Butt Full 100% (LONG. (WLD., DBL., SNGL., LAP, BUTT) (SPEC OR FULL)) | (EFF. (%)) | (N.T. TEMP. (F)) | (TIME) | Welded Dbl Butt Full (GIRTH (WLD., DBL., SNGL., LAP, BUTT)) | (R.T. (SPOT, PARTIAL, OR FULL)) | (6) (NO. OF COURSES)
10. Heads: (a) Matl. _____ (SPEC. NO., GRADE) (b) Matl. _____ (SPEC. NO., GRADE)

    Seg. Seams: _____ H.T.: _____ R.T.: _____ Eff.: _____

	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)										
(b)										

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

11. Type of Jacket _____ Proof Test _____
12. Jacket Closure _____ (DESCRIBE AS BUTT'S WELD, BAR, ETC.) If bar, give dimensions _____
    If bolted, describe or sketch.
13. MAWP _____ psi at max. temp. _____ °F. Min. temp. (when less than –20°F) _____ °F.
    Hydro., pneu., or comb. test press. _____ psi. _____

Items 14 and 15 to be completed for tube sections

14. Tubesheets: _____ (STATIONARY MAT'L. (SPEC. NO., GR.)) | _____ (DIAM. (IN.) (SUBJ. TO PRESSURE)) | _____ (NOM. THK. (IN.)) | _____ (CORR. ALLOW. (IN.)) | _____ (ATTACH. (WLD., ROLLED))

    _____ (FLOATING MAT'L. (SPEC. NO., GR.)) | _____ (DIAM. (IN.)) | _____ (NOM. THK. (IN.)) | _____ (CORR. ALLOW. (IN.)) | _____ (ATTACH)

15. Tubes: _____ (MAT'L. (SPEC. NO., GRADE)) | _____ (O.D. (IN.)) | _____ (NOM. THK. (IN OR GAUGE)) | _____ (NO.) | _____ (TYPE (STRAIGHT OR "U"))

Items 16-18 incl. to be completed for inner chambers of jacketed vessels or channels of heat exchangers

16. Shell: _____ (MAT'L. (SPEC. NO., GR.)) | _____ (NOM. THK. (IN.)) | _____ (CORR. ALLOW. (IN.)) | _____ (DIAM. I.D. (FT. & IN.)) | _____ (LENGTH (OVERALL) (FT. & IN.))
17. Seams: _____ (LONG. (WLD., DBL., SNGL., LAP, BUTT)) | _____ (R.T. (SPOT OR FULL)) | _____ (EFF. (%)) | _____ (N.T. TEMP. (F)) | _____ (TIME) | _____ (GIRTH (WLD., DBL., SNGL. LAP, BUTT)) | _____ (R.T. (SPOT, PARTIAL, OR FULL)) | _____ (NO. OF COURSES)
18. Heads: (a) Matl. _____ (SPEC. NO., GRADE) (b) Matl. _____ (SPEC. NO., GRADE)

	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)										
(b)										

If removable, bolts used (describe other fastenings) _____ (MAT'L., SPEC. NO., GRADE, SIZE, NO.)

ALBERTA LABOUR RECEIVED MAR 1 9 1984

ALBERTA LABOUR RECEIVED MAR 15 1984 BOILERS BRANCH EDMONTON

MAR 15 1984

TR1 4370 (R 2/83)

A200342

Form U-2 (Back)

19. MAWP _____ psi at max. temp. _____ °F. Min. temp. (when less than -20°F) _____ °F
Hydro., pneu., or comb. test press. _____ psi

Items below to be completed for all vessels where applicable

20. Nozzles, Inspection and Safety Valve Openings:

PURPOSE (INLET, OUTLET, DRAIN, ETC.)	NO.	DIAM. OR SIZE	TYPE	MATL.	NOM. THK.	REINFORCEMENT MATL.	HOW ATTACHED	LOCATION

21. Supports: Skirt _____ (yes or no) Lugs _____ (no.) Legs _____ (no.) Other _____ (describe) Attached _____ (where and how)

22. Remarks: Assembly consists of(6) rings and(1) head. The head was manufactured at Trinity Ind. Inc.#29 and a form U-2 partial data for this head was furnished and identified by the head serial number and is attached to this report.

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.

"U" Certificate of Authorization No. 11913 expires 5-14, 19 85

Date JUN 29 1983 Co. name Trinity Industries, Inc. (MANUFACTURER) Signed Don Rutgens (REPRESENTATIVE)

CERTIFICATE OF SHOP INSPECTION

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 Texas and employed by Employer's Casualty Co of Dallas Texas have inspected the pressure vessel described in this Manufacturer's Partial Data Report on 6-29-83, 19 83, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this part in accordance with the ASME Boiler and Pressure Vessel Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Manufacturers' Partial 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 6-29-83 Signed Leonard L. Lusmann (AUTHORIZED INSPECTOR) Commissions Texas 899 (NAT'L. BOARD (INCL. ENDORSEMENTS), STATE, PROV. AND NO.)