

Shop Order Number

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS

Corrected Copy

(Alternative Form for Single Chamber, Completely Shop or Field 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. - Plant 04, 1549 Vance Street, Rocky Mt., North Carolina, 27801

(Name and address of manufacturer)

2. Manufactured for

PETRO-FIELD, Alberta, CANADA

(Name and address of purchaser)

3. Location of Installation

NOT KNOWN

(Name and address)

4. Type

Horizontal

R0500371

T 2600.2

ST-9 rB

R0500371

2005

(Horiz. or Vert. tank)

(Mfr's serial No.)

(CRN)

(Drawing No.)

(Nat'l. 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

2001

to

2003

(year)

Addenda (Date)

N/A

N/A

Code Case Nos.

Special Service per UG-120(d)

6. Shell:

SA-612

0.589"

0"

9' 0.168" (ID)

31' 10"

Mat'l. (Spec. No., Grade)

Nom. Thk. (in.)

Corr. Allow. (in.)

Diam. I.D.(ft. & in.)

Length (overall) (ft. & in.)

7. Seams:

TYPE 1

Full

100%

N/A

N/A

TYPE 1

Spot

4

Long. (Welded, Dbl., Sngl., Lap, Butt)

R.T.(Spot or Full)

Eff.(%)

H.T. Temp (°F)

Time (hr)

Girth. (Welded, Dbl., Sngl., Lap, Butt)

R.T.(Spot, Partial or Full)

No. of Courses

8. Heads: (a) Mat'l:

SA612 NORM (See U-2A Attached)

(b) Mat'l

(Spec. No., Grade)

(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) ENDS	0.338"	0"	N/A	N/A	N/A	N/A	54.335"	N/A	Concave

If removable, bolts used (describe other fastenings)

N/A

(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP

250

psi at max. temp.

125

°F

Min. design metal temp.

2

°F at

250

psi

Hydro, pneu., or comb. test pressure

Hydro. at 325

psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
MANWAY	1	16"	PTFLG	SA516-70N	3.688"	INTEGRAL	(i)UW16.1	Head
LEVEL GAUGE	1	2.5"	CPLG	SA105	3000#		(y-2)UW16.1	N/A
ROTORY GAUGE	1	2"	CPLG	SA105	3000#		(y-2)UW16.1	N/A

Additional Nozzles - See Attached U-4...

11. Supports: Skirt

NO

Lugs

N/A

Legs

N/A

Other

SADDLES

Attached

SHELL, WELDED

(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:

HEADS MFG. BY TRINITY INDS. MEXICO

HEAD #1 T30 582 0410 H 815

HEAD #2 T30 478 0409 H 779

(Name of part, item number, Mfgr's name and identifying stamp)

TANK, HORIZONTAL STORAGE: 109.346"OD x 18,000WG. ST-9 SHT 1 rB, SHT 2 rC. TO

BE USED IN A NON-CORROSIVE SERVICE. MDMT -20 DEG. F @ 195 PSI. LINE 9:

MDMT/PSI BASED ON UCS-66(a), UCS-66(b) AND UG-20(f).

CERTIFICATE OF SHOP/FIELD 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. 10829 expires July 7, 2006

Date 06/13/2005 Co. name Trinity Industries, Inc. - Plant 04 Signed (Manufacturer)

(Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by Trinity Industries, Inc. - Plant 04 at 1549 Vance Street, Rocky Mt., North Carolina, 27801 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province NC and employed by IB&M RE, of Dallas, TX have inspected the component described in this Manufacturer's Data Report on June 13, 2005 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 11/21/2005 Signed (Authorized Inspector) Commissions 9334AB, NC972 (Nat'l Board (incl. endorsements), State, Prov. and No.)

325041

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Form and version: U1A-11

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET

As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by Trinity Industries, Inc. - Plant 04, 1549 Vance Street, Rocky Mt., North Carolina, 27801
(Name and address of Manufacturer)

2. Manufactured for PETRO-FIELD, Alberta, CANADA
(Name and address of Purchaser)

3. Location of Installation NOT KNOWN
(Name and address)

4. Type Horizontal N/A R0500371
(Horiz. vert., or sphere) (Tank, separator, heat exh., etc.) Mfg's serial No.

T 2600.2 ST-9 rB R0500371 2005
(CRN) (drawing no.) (Nat'l Bd. No.) (Year built)

Additional nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
THERMOWELL	1	0.75"	CLPG	SA105	6000#		(y-2)UW16.1	N/A
LL-PG	1	0.75"	CPLG	SA105	6000#		(y-2)UW16.1	N/A
VAPOR	1	2"	CPLG	SA105	3000#		(z-1)UW16.1	N/A
LIQUID OUT	1	3"	CPLG	SA105	6000#		(z-1)UW16.1	N/A
FILL	1	2"	CPLG	SA105	3000#		(z-1)UW16.1	N/A
VAPOR	1	2"	CPLG	SA105	3000#		(y-1)UW16.1	N/A
RELIEF	2	2"	CPLG	SA105	3000#		(z-1)UW16.1	N/A

Additional remarks pertaining to Manufacturer's Partial Data Reports:

Additional Remarks:

Certificate of Authorization: Type "U" No. 10829 Expires July 7, 2006

Date 06/13/2005 Name Trinity Industries, Inc. - Plant 04
(Manufacturer)

Date 11/21/2005 Name [Signature] Commission 9334AB, NC972
(Authorized Inspector)

Signed [Signature]
(Representative)

(Nat'l Board (incl. endorsements), State, Province and No.)

NB67 Rev. 4

FORM U-2A MANUFACTURER'S PARTIAL DATA REPORT (ALTERNATIVE FORM)
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

R0500371

1 Manufactured and certified by TRINITY INDUSTRIES DE MEXICO S DE RL DE CV PLANTA HUEHUETOCA CALZADA DE LAS MARISOLES LOTE 1 EX-HACIENDA DE XALPA HUEHUETOCA, EDO. DE MEXICO 54680 MEXICO (Name and address of Manufacturer)
2 Manufactured for TRINITY INDUSTRIES, INC. 1549 VANCE ST ROCKY MOUNT NC 27801 (Name and address of Purchaser)
3 Location of installation NOT-KNOWN (Name and address) H-779
4 Type: HEMISPHERICAL HEAD NOM. THK. 0.353" X 109.346" OD (Description of vessel part (shell, two-piece head, tube bundle)) T30-47B-0409 H 77B THRU H 780 (Mfg's. Serial No.) N.A. (CRN)
N.A. (Nat'l. Bd. No.) 1713010102-01 REV-A (Drawing No.) TRINITY INDUSTRIES, INC. 2004 (Year built)
5 ASME Code, Section VIII, Div. 1 EDD2001/ADD2003 (Edition and Addenda (date)) N.A. Code Case No. N.A. Special Service per UG-120(d)
6 Shell (a) No. of course(s): N.A. (b) Overall length (ft & in.): N.A.

Course (s)			Material		Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B, & C)			Heat treatment	
No.	Diameter, in.	Length, ft & in.	Spec./Grade or Type		Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time
...
...
...

7 Heads: (a) SA-612 N (Mat'l Spec. No., Grade or Type) H.T., Time & Temp. (b) N.A. (Mat'l Spec. No., Grade or Type) H.T., Time & Temp.

	Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure		Category A		
		Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff.
(a)	END	0.338"	0	N.A.	N.A.	N.A.	N.A.	54.32" IR	N.A.	N.A.	N.A.	1	SPOT	85%
(b)	...	...	...	...	...	...	...	...	...	...	...	...	...	...

If removable, bolts used (describe other fastening) NO (Mat'l Spec. No., Grade, Size, No.)
8 MAWP N/A psi (internal) psi at max. Temp. N.A. (internal) (external) *F. Min. Design metal temp. N/A *F at N/A psi.
9 Impact test N.A. (Indicate yes or no and the component(s) impact tested) at test temperature of N.A. *F
10 Hydro., pneu., or comb. test press. N.A. Proof test
11 Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Flange Type	Material		Nozzle Thickness		Reinforcement Material	How Attached		Location (Insp. Open)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
MANWAY	1	16" ID	FLG	SA-516-70 N	...	265 #	...	...	UW 16.1 (1)	...	HEAD
INLET	1	2 1/2"	CPLG	SA-105	...	3000 #	...	...	UW16.1(y-2)	...	HEAD
INLET	1	3/4"	CPLG	SA-105	...	6000 #	...	...	UW16.1(y-2)	...	HEAD
INLET	1	3/4"	CPLG	SA-105	...	6000 #	...	...	UW16.1(y-2)	...	HEAD

12 Supports: Skirt NO Lugs N.A. Legs N.A. Others N.A. Attached N.A.
(Yes or no) (No.) (No.) (Describe) (Where and how)
13 Remarks: TOLERANCES PER UG-81 (a)(d) ASME CODE SECTION VIII DIV 1
HEAD SEGMENTS ARE HOT FORMED AND AIR COOLED 22 min. /1650°F
DESIGN FUNCTIONS NOT PERFORMED BY TRINITY INDUSTRIES DE MEXICO S DE RL DE CV PLANTA HUEHUETOCA
JOB ORDER T30-47B-0409, INTERNAL SHOP ORDER 899185

CERTIFICATE OF SHOP/FIELD COMPLIANCE
We certify that the statements made in this report are correct and that all details of material, construction, and workmanship of this pressure vessel part conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.
U Certificate of Authorization No. 21,957 Expires JUNE 15 2005
Date 11/03/04 Name TRINITY INDUSTRIES DE MEXICO S DE RL DE CV (Manufacturer) Signed (Representative)
CERTIFICATE OF SHOP/FIELD 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 ONEBEACON AMERICA INSURANCE COMPANY. of BOSTON, MASS have inspected the pressure vessel part described in this manufacturer's Data Report on 10/28/2004 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel part 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 part 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 11/03/04 Signed (Authorized Inspector) Commissions TX 1680 (Nat'l Board Incl. Endorsement, State, Province and No.)

FORM U-2A MANUFACTURER'S PARTIAL DATA REPORT (ALTERNATIVE FORM)
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

Ro500371

1 Manufactured and certified by TRINITY INDUSTRIES DE MEXICO S DE R L DE C V PLANTA HUEHUETOCA CALZADA DE LAS MARISOLES LOTE 1 EX-HACIENDA DE XALPA HUEHUETOCA, EDO. DE MEXICO 54680 MEXICO (Name and address of Manufacturer)

2 Manufactured for TRINITY INDUSTRIES, INC. 1549 VANCE ST ROCKY MOUNT NC 27801 (Name and address of Purchaser)

3 Location of installation NOT-KNOWN (Name and address)

4 Type: HEMISPHERICAL HEAD NOM. THK 0.353" X 109.346" OD (Description of vessel part (shell, two-piece head, tube bundle)) T30-582-0410 H 814 THRU H 815 (Mfg's. Serial No.) N.A. (CRN)

N.A. (Nat'l. Bd. No.) 1713010005-01 REV.B (Drawing No.) TRINITY INDUSTRIES, INC. (Drawing prepared by) 2004 (Year built)

5 ASME Code, Section VIII, Div. 1 EDD2001/ADD2003 (Edition and Addenda (date)) N.A. (Code Case No.) N.A. (Special Service per UG-120 (d))

6 Shell (a) No. of course(s): N.A. (b) Overall length (ft & in.): N.A.

Course (s)			Material		Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B, & C)			Heat treatment	
No.	Diameter, in.	Length, ft & in.	Spec./Grade or Type		Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time

7 Heads: (a) SA-512 N (Mat'l Spec. No., Grade or Type) H.T.: Time & Temp. (b) N.A. (Mat'l Spec. No., Grade or Type) H.T.: Time & Temp.

	Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure		Category A		
		Min.	Corr.	Crown	Knuckle					Convex.	Concave	Type	Full, Spot, None	Eff.
(a)	END	0.338"	0	N.A.	N.A.	N.A.	N.A.	54.32" IR	N.A.	N.A.	N.A.	1	SPOT	85%
(b)														

If removable, bolts used (describe other fastening) NO (Mat'l Spec. No., Grade, Size, No.)

8 MAWP N/A (internal) psi (external) psi at max. Temp. N.A. (internal) °F (external) °F Min. Design metal temp. N/A °F at N/A psi

9 Impact test N.A. at test temperature of N.A. °F (Indicate yes or no and the component(s) impact tested)

10 Hydro., pneu., or comb. test press. N.A. Proof test

11 Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Flange Type	Material		Nozzle Thickness		Reinforcement Material	How Attached		Location (Insp. Open)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
INLET	1	2"	CPLG	SA-105		#3000			UW16.1(y-2)		HEAD

12 Supports: Skirt NO (Yes or no) Lugs N.A. (No.) Legs N.A. (No.) Others N.A. (Describe) Attached N.A. (Where and how)

13 Remarks: TOLERANCES PER UG-81 (a)(d) ASME CODE SECTION VIII DIV 1

HEAD SEGMENTS ARE HOT FORMED AND AIR COOLED 22 min. /1650°F

DESIGN FUNCTIONS NOT PERFORMED BY TRINITY INDUSTRIES DE MEXICO S DE R L DE C V PLANTA HUEHUETOCA

JOB ORDER T30-582-0410, INTERNAL SHOP ORDER 902332

CERTIFICATE OF SHOP/FIELD COMPLIANCE

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

U Certificate of Authorization No. 21,957 Expires JUNE 15 2005
 Date 12/20/2004 Name TRINITY INDUSTRIES DE MEXICO S DE R L DE C V (Manufacturer) Signed (Representative)

CERTIFICATE OF SHOP/FIELD 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 ONEBEACON AMERICA INSURANCE COMPANY. of BOSTON, MASS have inspected the pressure vessel part described in this manufacturer's Data Report on 12/15/2004 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel part 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 part 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 12/20/2004 Signed (Authorized Inspector) Commissions TX 1680 (Nat'l Board incl. Endorsement, State, Province and No.)