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

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Manufactured ar	nd certifie	ed by TRINI	TY IND	JSTRIES.		1549 VANCE		ROCKY MOL	INT, NC	PLANT #04		
2 Manufactured fo	r <u>SYS</u> 1	TEMS CORF	2., 18TI	100H & H	FT. G	ILLEM. GA	3005	0		****		
3 Location of insta	llation _	SAME										
4 Type HORIZ HORIZ OR		122 MCGRSS	337 SERIAL NO		(NAME AN	D ADDRESS) 65443 (DRAW	11 VING NO)	8	8650	1996		
5 The chemical an	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 1995											
The design, cor	struction	n. and workm	anship con	form to ASN	1E Rules. Se	ection VIII, Divis	ion 119	95 YEAR				
:0	DENDA D	ATC.		CODE CAS	E NOS		SPECIAL SERVI	CE PER UG 120 (D)				
5. Shell: SA612	DENDA D	A1E;	.8125		0	11	10'-10		36"-0"			
o. Sitem.		C NO GRADE)		HK (IN)	CORR ALI	OW (IN)	DIAM ! D (F		LENGTH (OVERALL) FT & IN)			
7. Seams: WELD	DBL ELDED, DBI LAP, BUTT)	FUL BT (SP)	OT OR FULLI	1009 EFF (%)		EMP (F) TIME	HB) GIBT	LD, DBL FULL TH (WELDED, DBL RT (SPOT PARTIAL. NO. CO. CO. CO. CO. CO. CO. CO. CO. CO. C				
8 Heads: (a) Mail.		2 HOT FOI	RMED, N	ORM.		(b) Matl. SA6	12 HOT F	ORMED, NO		_		
		(SP)	EC NO GRAD	DE;		5.7	SPOT (SF	PEC NO GRADE)	5%			
		WELD DI			KNUCKLE			·	FLAT	SIDE TO PRESSURE		
LOCATION (TOP) BOTTOM ENDS)	MINI		POSION DWANCE	CROWN RADIUS	RADIUS	ELLIPTICAL RATIO	APEX ANGLE	HEMISPHERICAL S.RADIUS 654715	DIAMETER	CONCAVE		
A END END	0.4		0"					654715		CONCAVE		
If removable, bo				ngs)		1						
								NO . GR., SIZE, NO)	125			
9. MAWPMin. design met	al tomp	25 ₀		E	at <u>250</u>	psi at max. t _psi. Hydrostatio	emp		375	F		
10. Nozzies, inspect	• •			Г	al	_psi. Hydrostatic	lesi pressure		UW-16.			
PURPOSE NLET OUTLET DRAIN:		DIAM	TYPE		MATL	NOM	REIN	FORCEMENT	ном	LOCATION		
MANWAY	NO 1	OR SIZE	PTFLG	SA51	6-70N	2.5"	INT	EGRAL	(i)	HEAD		
LEVEL GA	1 1	2.5".2"		SA10					(y-2)			
TW_LL_PG	1.1	.75"	CPLG	SA10		6000#			(y-2)			
FILL, VAP	1,2	2"	PTFLG	SA51	6-70N	2.15"			(d)			
LIQUID OUT	1	3"	PTFLG		6-70N	2.53"		EGRAL	(q)			
RELIEF		4"	PTFLG	SA51	6-70N	3.0"	INI	EGRAL	<u>(d)</u>			
11. Supports: Skirt.	NO YES OR I	Lugs	NO:	Legs	Other	/DE	SCRIBE)	Attached	(W)	HERE AND HOW,		
12 Remarks, Manu of the report:	~	s Partial Data RINITY H		968-0	2	gned by Commi #2: 955 NUMBER MEGRIS N	-92		en turnisnea t	or the following items		
	TANK,	HORIZON	TAL LPG	STORAG	E: 131.	.875" OD x	30,000	WG				
	TO BE	USED IN	A NON-	-CORROSI	VE SERV			150 PSI.				
	LINE	9: MDMT	/PSI BA	SED ON	UCS-66	(a), UCS-6	6 (b) AN	D UG-20 (f	<u>). </u>			
				CERT	FICATE OF	SHOP COMPLIA	ANCE					
We certify that the	stateme	nts made in t	his report a	re correct a	nd that all de	etails of design.	material, con	struction, and w	orkmanship <u>o</u>	this vessel conform		
to the ASME Code	for Pres	sure Vessels	Section V	III. Division	1. "U" Certifi	cate of Authoriza	ation No. 10	,829 whi	ch expires	ULY 18, 19 97		
Date 1-17-96	c	o. Na. TRIN	IIY INL	MANUFA	CTURER	_AN 1 #U4 S	Signeo	rd	PRESENTATIVE			
e santa mantatarana persama nanta mantataran saturatar saturata santatara da saturata da s				CER'	rificate of	SHOP INSPEC	TION					
Vesse! constructe				S, INC	PLANT #	04 at .	ROCKY M	OUNT, NC				
I the undersigned NORTH (mission iss	sued by the	National Bo	ard of Boiler an OLD REPU	d Pressure \ BLIC INS	essel Inspector URANCE CON	s and/or the IPANY	State or Province of		
have inspected th	e compo	nent describ	ed in this N	// Anufacture	r's Data Re	port onJ	<u>ANUARY 1</u>	<u>7, 19</u>	. and	state that to the best of		
my knowledge and	d belief, t	he Manufacti	urer has co	nstructed thi	s pressure v	ressel in accordance	ance with AS concerning the	ME Code. Secti ne pressure vest	on VIII, Divis sel described	ion 1. By signing this in the Manufacturers		
Data Report, Furth	nermore.	neither the in	spector no	r his employ	er shall be l	able in any mar	ner for any p	ersonal injury o	r property dar	mage or a loss of any		
kind arising from o	Ξ.		inspection.	A.	gues	Commissions	NC 133			Α		
TRI 437 CON (R 10/93)		Signed	AUTHO	RIZED INSPECT	OR)			(NAT'L BOARD STATE	(INCL. ENDORSE PROV. AND NO.	MENTS).		

FORM U-2A MANUFACTURER'S PARTIAL DATA REPORT (ALTERNATIVE FORM) S/O H-1968
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. Ma	nufactured and	certified t							(74.411	an and account	on mountaine	(417;7;	Ft. Wor	th,	Tx 76	106	
2. M a	inufactured for	************	Tr	ini	ty Inc	dustri	es,		. Da		, Tex						
3 Lo	cation of installa	tion _	<u>"</u> s	toc	k"					Same and orbi							
1. Ty	pe: <u>Hem</u>	isphe	erica	al_H	lead					68-0							
ĺ	,	ไปครอ	istion of ver	isel part is	309 -01			init	y In	idust:	ries	, Inc	•	, (C	1995		
	INat'l Bd No			10	Drawing No. 1	-				(Grawins pr					(Year	Dunt)	
5. AS	SME Code, Section	on VIII, D	iv. 1 _	19	92 A-9	g Addenia Idale	;			Crafe Case	No.		Soc	c.a' Service	per UG 123idi		
6. Sh	ell (a) No. of	course(s)				(t) Overa	li length	(ft & in.)						·····		 ;
	Course(s)			Material	True Nom	#I:055	ļ		mit (Cat. A		Type Full, Suot, None				r Treatmen		
No.	Diameter, in	Length, I	It & in	Spec	c /Grade or Type	Cou	Corr Type Full, Sput Numb			tu.	Ett Type Full, Suot, None			Temp			
														i			
7. He	eads: (a)	SA-6		per No .	Grade or Type: +	1 T Time & Te	mp		(b)		:Mar i Sp	es. No , Grade or Tyr	ne, h T Te	me & Temp		
	T	Thice	₇		Radius	I	T		<u> </u>		F-at	S	ote to Pressure	T	Categor	, A	
	Bottom, Endel	Min	Corr	Crown	Knuckle	Ediptical Balio	4	Conical or Angle	}	Catherican Mores	Diameter	Conve	Te Concave	Type	Full, Spot A		£:,
(a)		.46	6"						i	937"			X	WDB	Spot		85%
(6)		ll				L			_0.1)				_!			i
f rem	ovable, bolts use	ed (descri	ibe other	fasteni	ng)					(Mat)	1 Spec No. (Grade Size, N	ıı) i	····			
3. M	AWP		(externai)	psi	at max. tem		ma.	lester		°F. M	in, de s ign	metal ter	np	°i	Fa:		. psi.
3. Im	pact test	,															
10 4	lydro., pneu., or	comb te	et nress					dicate ves o Proof test		componentis	impact teste	.41					
	Nozzles, inspectio				nings:		,	1001 105									
		T	Τ			Ma	terial		Nozzie T	hickness	1 00	nforcement	Hai	• Attached		Locate	
	Purpose (Inlet Outlet, Drein, etc.)	No	Diam or S	· 1	Flange Type	Nozzie	Fiang	-	Nom	Corr		Material	Nozzie	F	ange .	linsp Ca	
Rc	oto Ga.	1	2	11	Cplg.	SA-1	05	3	000#		-	U	W16.1Y2		<u> </u>	'op	
		 					-										
		+	 				 							_			
		1	1														
12. \$	Supports: Skirt			Lugs		Legs .		Other	s				Attached				
13 6	Remarks: H	eaď	Seam	ents	s are	hot f	orme	ed @	165	0 dec	grees	Fa	nd air	coo	leď,	10 W :	
-	double	butt	We	lded	d. Spc	ot X-R	ave	d se	ams	with	ioin	ıt ef	ficienc	у о:	£ 85%		
-	.466" m	in.	x 13	1.8	75" 0.	D. se	gme	ntal	hem	isphe	erica	il ne	ad.				
								05.5110			NCC						
14.	le certify that the	e statem	onts mad	a in the	s report are					COMPLIA ial constr		id workmi	anship of this p	ressure	vessel part	cantarn	n to
	ne ASME Code fo												0.0				
U	Certificate of Au	uthorizati	on Na.	11	,454		_ Exp	ires _	Marc	h 14	<i>!</i>		. 19 96	,	 ,	0	
D	ate <u>ji ji</u>	1/95	 Name		Trinit	y Ind	lust	ries	, In	C.		Signed	, <u>JS</u>	ton	for		
							(Manu	(facturer)						(Regel	esentativei		
										INSPECT				_	. Tr	exas	
	the undersigned	, holding	a valid c	ommiss	ion issued b	by the Natio	nal Boar	rd of Boil	ier and P	ressure Vo 7	essel Inspe	ectors and Dall	or the State of .as, Te	r Provini (as		e inspec	
	nd employed by ne pressure vesse							1/-	- 217		20 and		at, to the best o			,	
	ie pressure vesse lanufacturer has							ASME (
er	nployer makes ar	ny warran	ity, expre	ssedor	implied_cor	ncerning the	pressur	re vessel	part des	cribed in th	ns Manufa	acturer's C	Data Report, Fu	thermor	e, neither th	ie Inspec	
	or his employer s																
D	ste [[-30	<u>-20</u>	Signed	110	~e	1/		_		Commiss	sions _		1-A Tex		066		
			/	'			ector)						I'i Board incl. endorse		g. Province and	mg.)	
12/9	1)	This	s form (E)	Ø01211	may be obt	tained from	the AS	ME Order	r Dept.,	22 Law Dr	ive, Box 2	2300, Fair	field, NJ 0700	7-2300		REPRIN	IT 9/92

FORM U-2A MANUFACTURER'S PARTIAL DATA REPORT (ALTERNATIVE FORM) S/O H-1955 A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer 131" Fitted As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1 Sertified by Trinity Industries, Inc. 1901 Brennan, Ft. Worth, Tx. 76106 Trinity Industries, Inc. Dallas, Texas "Stock"

2. Mai	nufactured for	Tr	init	γĮι	ndustr	ies,	Inc	c. Da	llas	ne and address Tex address of the	as	i stert				
3. Loc	ation of installat			Stoc						Name and addr						
4. Typ	Type: Hemispherical Head 955–92 (Description of vestel part (shell, two piece head, fulle bundler) White serial No. (CRN)															
	S-40292-01 Trinity Industries, Inc. 1995															
5 ASI	(Nat'l Bit No ME Code, Section		7m 1		2 A-9	3				(Crawing per	spared by:				:Year ou	- D
	Edition and Addenda (date: Code Case No. Special Service per UG 120:0)															
6. Shell (a) No. of course(s): (b) Overall length (ft & in):																
	Coursell				Material		Thickness			lonet (Cat. A:		!r	rum Joint (Cat. A. E	EH.		Treatment
No	Diameter, in.	Length.	II By An	Speri	c/Grade or Type	Nom	Carr	Carr Type		Spot, None	Eff	Type	ype Full, Spot, None		Temp	Time
				 	· · · · · · · · · · · · · · · · · ·		 		-							
7. Hea	7. Heads: (a)SA-612															
	<u> </u>		·		Grade or Type: F	ff - Time & Te	mp					- Mar 1 Spc	ec. No., Grade or Tyl	pei H T Tir	ne & Temp	
	Location (Top, Bottom, Ends)	Thick Min	Corr	Crown	Radus	Elliptical Balio		Conical	1	spherical	Frat	 	de to Pressure	-	Category A	
(a)	donom, Ender	.466	+	Crown	Knuckie	Hatio		Ape Angle		.937"	Diameter	Conve	Concave	WDB	Spot	85%
(b)		. 400			 				4	.93/ .D.		+	^	WDB	Spoc	05
f remo	vable, bolts use	d (descr	ibe other	fastenii	na)	*			···········	•••			 +	·		
		- ,								(Mat -	Spec No. G	irade, Size, Ni	0.1			
3. MA	(internal)		(external)	psi	at max, tem	ip	rnau	leater		PF. Mir	n. design	metal ten	np	°F	at	psi.
9. Imp	act test															
10. Hv	dro., pneu., or	comb. te	est press.					Proof tes		component(s)	impaut tester					
	ozzles, inspectio		•		ings:											
		T	T	T	I	Mat	erial		Nozzie Ti	nckness	T		Ho	w Attached		
	Purpose (Inlet, utlet, Drain, etc.)	No	Diame or Si		Flange Type	Nozzle	Fiar	nge	Nom.	Corr	1	nforcement Material	Nozzie		inge (Location insp. Open (
Fl	oat Ga.	1	2 1	/2"	Cpla	SA-1	05	3	000#		J		W16.1Y2		Тор	
	. PG.	1_1_	3/4	••	Cplg.	SA-1	05	6	000#			UW16.1			Тор	
The	ermo.	1	3/4	11	Cplg.	SA-1			000#				W16.1Y2			gp
Ma	nway	1_1_	15		Flg.	SA-5	16-	70	250#		Inh	eren	t UW16.	1Y2	To	go
		İ	.1				L				<u> </u>					
12. Su	ipports: Skirt	(Yes	or no)	Lugs	INo I	Legs _	(No.)	_ Other	rs	(Desc	rither		Attached		(Where and how	1)
	marks: He	ead	segm	ents	are	hot f	orn	red @	165	0 deg	rees	Fa	nd air	coo]	ed,	
	double l	outt	wel	<u>ded,</u>	Spot	X-Ra	yec	sea	ms w	ith j	oint	eff	iciency	of	85%	
	.466" m:	LII.	<u> </u>	1.0	75" 0.	υ, se	gme	ental	<u>nem</u>	ıspne	rica	1 ne	ad		····	
	+		***************************************			CEDTI	EICAT	E OE SHO	DB/EIELD	COMPLIAN	ıce		 			
We	certify that the	stateme	ents made	e in this	report are							d workma	inship of this p	ressure v	essel part co	onform to
	ASME Code for				•					,						
υc	Certificate of Aut	horizatio	on No.	11,	454		Ex,	pires _	Marc	h 14,			. 19 96		ر ر ر ر	
Dat	. 16/36	195	 Name	Tı	rinity	. Indu	str	ies,	Inc	•		Signed	187	any	find-	· .
	/ /						(Man	nufactureri					1	(Refore:	sentative)	
						CERT	IFICAT	TE OF SH	OP/FIELD	INSPECTIO	ON	•	٠,٠	•	_	
	ne undersigned, i employed by	holding			on issued by Republ								or the State of Tex			nspected
the	pressure vessel	part des	scribed in	this Ma	nufacturer's	s Data Repo	rt on	11-	上 .	19 9 5	, and	state that	t, to the best o	f my kno	wledge and t	elief, the
Mar	nufacturer has c	onstruct	ed this pr	ressure	vessel part i	in accordan	ce witl	h ASME (Code, Sec	tion VIII, D	ivision 1.	By signin	ng this certifica	te neithe	the inspect	or nor his
emp	oloyer makes any	warran	ty, expres	ss gf or i	implied, con	cerning the	pressu	ire vessel	part desc	ribed in this	s Manufac	cturer's D	ata Report. Fur	thermore	, neither the	nspector
nor	his employer sh	all be ha	ible in any	/ shahne	er for any pe	ersonal injur	y or pi	roperty da	amage or	a ioss of a	ny kind a	rising fron	n or connected	with thi	s inspection.	
Date	, 1-1-4	<u> </u>	Signed	1 h	-ry	Authorised Inspe	ctor)			Commissio	ons	9441	-A Texa		Province and No.	1
			/	 												