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

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

_	As Re	quirea by	the Provision	טווט טוונ	ne AS	IVIE COUE I	tuies,	Jectic	JII VIII, D	171310	J11 1			
1. Man	ufactured and	I certified by	GEA CANZLER	GMBH;	KÖLNER	(Name and addre	SSE 33	32, D-	52351 DÜ	REN,	GERMANY	<u> </u>		
2. Man	ufactured for	GOOCH TH	ERMAL SYSTE	MS, IN	C.; USA	A-CLINTON; e and address of Pur	NEW Chaser)	JERSEY	08809					
3. Loca	tion of install	ation	UNKNOWN			(Name and a	ddress)							
4. Type	HORIZO	IATAI	SP	IRAL HE	EAT EXC		10010007		7147					
ч. турс		loriz.,vert.,or sphere		(Tank, sepa	rator, jkt. ves	sel, heat exh., etc.)				s. serial N		1		
		CRN)		C18.	1146 - (Drawing No.	1 Rev. 1			320 t'l.Bd.No.)		200: (Year bu			
5. ASN		ion VIII, Div. 1	EDITION 98	ADD 20	000	N.A.				N.A.	•			
				nd Addenda (d		Code Ca					ce per UG-120(d			
			single well vessel ter channel			lessels, shell of r length (ft & in.):		1ft 1	1,62"			3013 .		
	Course(s	s)	Mater ial	Thickne	ss	Long. Joint (Cat. A)		Circum. Joint (Cat. A. B. &			C) Heat Treatment			
No.	Diameter, in.	Length (ft & in.)	Spec./Grade or Type		Corr. Type	Full, Spot, None	Eff.	Туре	Type Full, Spot. None		Eff. Temp.	Time		
1	55,12"0D	1ft 11,62"	SA240/S31803	,315 N		N.A. Full	70% 100%	N.A.	N.A.	N.	A. N.A.	N.A.		
			core tu be	,393 N	•A• 1	Fuii	100%							
7. Hea	ds: (a) SA	516 Grade	70 - No H.	т.		(b)		N.A		ne) H.T.	Time & Temn			
, 			c. No., Grade or Type) F		1	T	Flat	(Mat'l Spec. No., Grade or Type) H.T Time & Temp. Side to Pressure Category A						
	Location (Top, Bottom, Ends)	Min. Corr.	Emplicat		Conical Apex Angle	1 _ '		r Conve		Туре	Full, Spot, Nor	ne Eff.		
(a)	T0P	1,57" N.A.	N.A. N.A.	N.A.	N.A.	N.A.	56,70'	N.A.	N.A	N.A.	N.A.	N.A.		
(b)			ther fastening) H	OOK BOI	TS • SA	193 GRADE	R7:	1 1/8'	" x 8,27	: 32	pcs			
If remo	ovable, boits i	used (describe o	tner tastening) <u>i i</u>	OOK BOL	.13. JA	(Mat	I Spec. No.	, Grade, size	, No.)	, 0_	<u> </u>			
8. Тур	e of jacket	N.A.				Jacket	closure	<u>N</u>	.A.	s ones &	weld, bar etc.)			
16 h	a. wiwa dimake		N.A.						(503011501	_	ed, describe	or sketch.		
9. MA	ar, give dimer WP <u>15</u> 0		A. psi at max. to				Min. desi	gn metal 1	temp. <u>68</u>		°F at	<u>0</u> psi		
	(interna	•	1)	(inte	rnal) (e	external)								
10. lm	pact test	none			(indic	ate yes or no and the	componen	t(s) impact t	ested)					
11. Hy	dro., pneu., e	r comb. test pre	ss. <u>196 p</u>	si	Proo	f test	N.A	•						
		be completed for N A		N.A.		Ν.Δ.		. N.A		N.	Α.			
12. Tu	besheet:	N.A. Stationary (Mat'l S	pec. No.)	Dia., in. (subje	ia., in. (subject to press.) Nom. thk., in.				N.A. Corr. Allow., in. N.A. Attachment (weldet or bolted)					
_	N.A	I Spec. No.)	N.A.		N.	A . n. thk., in.	N.	Allow., in.	<u></u>	1.A.	ttachment			
40 -			Dia., in.	NΔ					N.A.		I.A			
13. Tu	bes:	N.A. t'I Spec. No., Grade	or Type	O. D., ir),	Nom. thk	., in. or gau	ge	Number	Ту	pe (Straight or	J)		
			or i nnor chambors (ers.	11 60					
14. Sh	ell (a) No.	of course(s): 11	nner channe	1: 1	(b) Overall	length (ft & in.):	·	11.0	11,62		_			
	Course	Course(s) Material Thick		Thickne	ess	Long. Joint (Cat.			um. Joint (Cat. A	— T		Treatment		
No.	Diameter, in.	Length (ft & In.)	Spec./Grade or Type	-	Corr. Type	Full, Spot, None	Eff.	Type \	Full, Spot. Nor		.A. N.A.	N.A.		
1	55,12"0D	1ft 11,62"	SA240/S31803 core tube	,315 N		N.A. Full	100%	N.A.	11+11+		****	110710		
									^					
15. He	ads: (a) SA	516 Grade	2 70 - No H. c. No., Grade or Type)	• T • H.T Time & T	emp.	(b)			A . No., Grade or Ty	/pe) H.T	Time & Temp.			
Thickness Radius				Elliptical Conica		Hemispherical	Flat	Flat Side to Pressure Category A			Category A			
	Location (Top, Bottom, Ends)	Min. Corr.	Crown Knuckle	Ratio	Apex Angle	Radius	Diamete			Туре	Full, Spot, No			
1	DOTTOM	1 570 N A	N A N A	NΔ	NΔ	1 N.A.	156.70	" N.A	. IN.A	IN.A.	N.A.	N.A.		

(b)

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

16. MAW	vp <u>150</u>)	N.A.	psi at max	k. temp.		92	N.A.	•	n. design metal ter	np. 68	°F at	150 psi
17. Impac	(interna ct test	none	(external)	· ·		(interna	i)	(external)	-		пр. <u>СС</u>	lat	
	o., pneu., or		-		96 psi	(1		e yes or no an roof test	d the compon	ent(s) Impact tested)			
19. Nozzi	les, inspecti	on, and	safety valve	openings:				. <u> </u>					
1	ose (Inlet,	<u>,,</u>	Diameter	Flange		aterial		Nozzle	Thickness	Reinforcement	How At	tached	Location
	, Drain, etc.)	No.	or Size	Туре	Nozzle		ange	Nom.	Corr.	Material	Nozzle	Flange	(Insp. Open.)
I.C. II		1	2"	150 LJ	SA240**			0,157"	N.A.	N.A.	UW16.1 c	N.A.	N.A.
	UTLET N2	1	. 2"	150 LJ	SA240**			0,157"	N.A.	N.A.	UW16.1 c	N.A.	N.A.
0.C. II		1	2"	150 LJ	SA240**			0,157"	N.A.	N.A.	UW16.1 c	N.A.	N.A.
0.C. OI		1	2"	150 LJ	SA240**			0,157"	N.A.	N.A.	UW16.1 c	N.A.	N.A.
I.C. DI	RAIN N5	_1_	1"	150 LJ	SA240**	SA 1	105	0,157"	N.A.	N.A.	UW16.1 k	N.A.	N.A.
-						ļ							
20. Suppo	orts: Skirt	NO	Lug	s N.A.	Legs N	 .A.	01	thers	Piv	rots Attac	had V	VELDED T	n SHFII
-	•	(Yes o	r no)	(No.)		(No.)	_ `		(Descr	Ots Attac	.nea	(Where and	
21. Manui	facturer's Pa	artial Da	ta Raports pi	roperly ider	ntified and	sianec				ors have been furni			,
(List th	he name of	part, ite	m number, r	nfa's. nam	e and ident	ifvina	nıım	hari	ea mspeca	ors nave been iuim	shed for the t	ollowing iter	ns of the report:
			,			<u>.</u>		N.	.A.				
:													
22. Remar		31803											
Para	agraph	<u>UHA-5</u>	1(d) ex	empts	the ves	ssel	fr	om impa	act tes	ting.			
Para	agrapn	<u> </u>	ob(a) ex	empts	the ves	ssel	fr	om impa	act tes	ting.			
Safe	ety val	ve is	other	part	of syst	em.			· · · · · · · · · · · · · · · · · · ·				
:													
					CERT	IFICA	TE O	F SHOP CO	MPI IANO	`F			
We certify	that the sta	tements	made in this	report are						,construction, and	···a-l-manahin	Eshia maaa	• · - · · • • · · · · · · · · · · · · ·
ASME Coo	de for Press	ure Vess	sels, Section	VIII Divisi	an 1	liiata	111 400	alia vi uosif)II, III aterrar	, construction, and	workmansnip	of this vesse	ol conform to the
			No.				Evnir		NUVE	MDED 22	00	02	
-		J. 1644.		<u> </u>			Expir	res	INO V L	MBER 22	, 20		1
Date 06	5.12.200	ոլ ,	lama GF	Δ ΓΔΝ7 Ι	FD GMR	u. (5 221	E1 NÜDE	M	Signed	1//11	4	>
		<u> </u>	Vallio <u>v. 1-</u> -	T OFFILE	LIN GIND Manufa	cturer)	ULJ.	OT DOILE	. 11	Signed	Repres	entatival C	
			• • • • • • • • • • • • • • • • • • • •		CERTIFICA			OD INICIDEC	TION		//.up	elitative,	
I,the under	rsigned,hole	ding a va	lid commiss						d Pressure \	essel Inspectors a	nd/or the Stat	e or Province	of MD
and emplo	oyed by _		400						of	CTINANCE	N e 1		ha :
the pressu	ire vessel de	scribed	in this Manu	ıfacturər's	Data Report	t on _	06.	.12. ,2	0 U L	,and state that, to	the best of m	v knowledae	and belief the
Manufactu	urer has cons	structed	this pressure	e vessel in a	ccordance	with A	SME	Code, Secti	on VIII, Divi	sion 1. By signing t	his certificate	neither the l	nspector nor his
embroyern	makes any w	arr an ty,	expressed or	implied,co	ncerning the	e press	sure v	essel descri	bed in this !	Manufacturer's Data	Report. Furth	ermore.neith	erthe inspector
nor his em	ployer shall	be liabi	e in any man	ger for any	personal ii	njury d	or pro	perty dama	ge or a los:	s of any kind arisin	g from or con	nected with	this inspection.
				1 1 1	1.							OH 7:	1-01
Date <u>U</u>	.12.200	<u>)1</u> Sig	ned		<u>u </u>				Commissio	ns <u>NB-1178</u>	T BSNA	MD 5	
-		 -		(Au	thorized Inspe	ector)					l. endorsement,		
				Ci	ERTIFICATI	E OF I	FIELD) ASSEMB	LY COMPL	IANCE			
We certify t	that the stat	ements	on this report							II parts of this vesse	Leonforms wit	th the require	ments of ASME
Code, Sect	tion VIII, Div	ision 1.										III 1110 10441.u	IIII OI NOITIE
			No				Expire	AS			20		
											, 40 .		
Date		_ N	ame							Clanad			
			ame		(Assemb	ler)				Signed	(Represe	ntative)	
					CERTIFICAT						V		
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and employ	ved hv			VII 183404 2	טאַ נווס ושמנוט	lia: DO	aiu o	T Bollet and	Pressure v	essel Inspectors an			
have comp	nared the s	tetemen	to in this M		- In Data B			the description		_ of			
ildae eemb	Jaiou 1110 J	latemen	TS IN LILIS IV	Ianuracture	or's Data n	өрогт	with	the descri	bed pressu	re vessel and star	e that parts	referred to	as data items
	Manufa			, not inc	luded in th	e certi	ificate	e of shop in	spection, h	iave been inspected	by me and t	o the best of	my knowledge
and belief,	the Manura	ctu re r na	s constructe	d and assen	nbled this p	ressur	re ves	sel in accord	dance with A	ASME Code, Section	1 VIII, Division	1. The descri	ibed vessel was
nspected a	and subjecte	ed to a h	ydrostatic te	st of		ps	si. By	signing this	s certificate	neither the Inspec	tor nor his em	ployer make:	s anv warrantv.
expressed	or implied, co	oncernin	g the pressur	e vessel de:	scribed in th	nis Mai	nufac	turer's Data	Report.Fur	thermore neither th	e Inspector no	r his employe	rshall be liable
n any man	ner for any	per s ona	l injury or pr	operty dam	nage or a lo	ss of	any k	ind arising	from or co	nnected with this i	nspection.	•	ļ
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		Siar	ned		<u> </u>			_	ommission				

(Authorized inspector)