PO#M14899000C-C Item#H-383

if removable, bolts used (describe other fastening)

FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

B-SHOP

1. Manufactured and certified by	Plant Maintenance Service Co	erporation Plant E	3, 3690 FITE	E ROAD, MEN	MPHIS, TEN	INESSEE 38°	127,					
2. Manufactured for G.E. PLAS	STICS, MT VERNON, IN		(Name a	and address of Pu	urchaser)				4			
3 Location of Installation G.E.	PLASTICS, MT VERNON, IN	I	•	(Name and add	dress)				NA	19 16		
4. Type: Horizontal (Honz., vert., or sphere)	PHENOL CONDENSER (Tank separator, jkt. vessel, heat exh., e		AD-614 ig's serial No.)		(CRN)	AD-614D 316 199 8 ' (Drawing No.) (Nat'l. Bd. No.) (Year built)						
5. ASME Code, Section VIII, Div.	1 Edition 1995, Addenda	ia 1997	Code Cas	se No.			 cial Service per U					
Items 6 - 11 Incl. to be completed	d for single wall vessels, jackets	s of jacketed ves	sels, shell o	of heat exchar	ngers, or ch	amber of multi	-chamber ves	seis.				
6. Shell (a) No. of course(s):	1	(b) (Overall leng	th (ft & in.):		4-8 1/2						
Course(s)	Material	Thickne	ss	Long. Join	t (Cat. A)	Circu	m, Joint (Cat. A	Heat Treatment				
No. Diameter, in. Length (ft 8		Nom. 1/4"	Corr. 0"	Type Full,	Spot, None Spot	Eff. Type 85% 1	Full, Spot Spo	t, None Eff. ot 85%	Temp.	Time 		
				-								
			-	(b)			*** ***					
7. Heads: (a)	SB168 N06600 (Math Spec. No., Grade or Type) H.T			(0)			., Grade or Type)	_	_			
Location (Top, Thickne		Elliptical	Conical I	-lemispherical	Flat	Side to P			tegory A	. C#		
Bottom, Ends) Min.	Corr. Crown Knuckle		Apex Angle	Radius	Diameter	Convex	Concave YES	Type F	II, Spot, Non None	e Eff. 85%		
(a) End 0.21"	0"	2-1			•••				***			
(b)	*** *** ***	***				NIC.						
If removable, bolts used (descrit	be other fastening)			(ONE , Grade, Size, No.)					
8 Type of jacket	224		Jac	ket closure		(Des	cribe as ogee & w	reld, bar, etc.)				
If bar, give dimensions			244				•	If bolted, de	scribe or ske	etch.		
9 MAVVP 50 (internal) 10 Impact test	psi at max_temp (external)			° F mal) O(f), UNF-65 And the component	AND UCS-66		-20	° F at	50	psi.		
	aat neace	75	ass yes or no ar	Proof test	fal un ha er wan	· · ·	***					
items 12 and 13 to be complete	•	, ,										
12 Tubesheet	****	++=		***	0	***		 Attachment (weld	ied or holled)			
Sta	sionary (Marl Spec. No.)	Dia in (subject t		Nom thk in 1 3/4	Cor	Corr. Allow . in Attachment (welded or boiled) 0.0 BOLTED						
SB168 N06 Floating (Marii Spi	***	25 Na., in		n thik, in	(Corr Allow , in.		Attachr				
13 Tubes SB516	6N06600 CL-1	3/4		0.065*			83 Number	Tun	U e (Straight or U)	١		
Mart Spec Items 14 - 18 incl. to be comple	. No , Grade or Type and for inner chambers of inche	OD in ted vessels or cl	hannels of h	Nom thik in or neat exchange			140:11001	.,,,	, on any	,		
	red for inside chambers of jacks	(E) 10330:5 0: 0:	(b) Overa	all length (ft &	in.):		0-11	7/16				
14 Shell (a) No of course(s):	T : -4	, .	-		Circ	um. Joint (Cat.	A. B & C)	Heat Trea	tment			
Course(s)	Material	Trucks		- ·	nt (Cat. A) II, Spot, None			ot, None Eff.	Temp.	Time		
No Diameter in Length (ft.		Nom 3/8*	Corr O*	Type Ful S	None	85% 1	Sp					
1 18 00 0-11 7	/16 3A-100 Gi B									•••		

15 Heads (a)	SA516GR7			(b)		/68-di 6 4	io., Grade or Type	AHT . Time # 1	'emn			
• •	(Mart Spec No., Grade or Type)		Conveal	Hemispherical	l Flat		io., Grade or Type Pressure		ategory A			
Location (Top. Thickn	ness Radius Corr Crown Knuck	Elliptical te Ratio	Apex Angle	_ `.	Diameter	Convex	Concave	Type F	ull, Spot, No			
Bottom, Ends) Min. (a) End 0.31*	0°	2-1		-			YES	S	None	85%		
(a) End U 31												
if compatible holds used (desc)	nhe other fastening)		(16)	1 1/8" DIAM	SA193B7 S	ruds with (2) SA1942H N	UTS				

(Mat1 Spec. No., Grade, Size, No.)

16. MAWP	100 (internal)	(external)	psi at max. temp.	340 (internal)	(extern	°F al)	Min. desig	n metal temp.	-20 ° F	at	100	psi.
17. Impact test	EXEMPT PER	UG-20(f), UNI	F-65 AND UCS-66(a)	(c). (Indicate	e yes or no and t	he component(s) impact tested)				
18. Hydro., ####	er or event to	et nressure	1	150		Proof test	,					
19. Nozzles, insp										**		
			and the second s	Material		Nozzie T	hickness	Reinforcement	How At	tached	Loca	ation
Purpose (Inlet,	Diameter		and the second second		Flange	Nom.	Corr.	Material	Nozzie	Flange	(insp. (Open.)
Outlet, Drain, etc.		Type	Nozzle		SA-105	3/8"	0"		С С	1a	. (
INLET	1 10"	150RFLJ	SB168 N06600			.237"	0"		. C	. 1		
OUTLET	1 4"	150RFLJ	SB167 N06600		SA-105		· · · [8]		. c			
IN/OUT LET	2 4"	150RFSO	SA-106 Gr B		SA-105	STD.WT						
											•	
						:		•				
	·								. —			_
			***		***			***			0.005	
20. Supports: Sk	irt NO	Lugs	Legs	***	Others		SADDLES Describe)	Attached	VV	ELDED TO Where an		L
(List the name o (1) 10" PIPE INL 22. Remarks: *	f part, item numb ET NOZZLE AB	Reports propertoer, mfg's. nam OVE LINE 19 PAS 1-0 OTECT ION F	(No.) ly identified and signer le and identifying nun SN# 98 1021 MANU 1-99 TW 18/9 PER UG-125 MU 3 2-4	nder) JF. BY MACH 9	I INTERNATI	ectors have	been furnish		items of the	report:		
FOR NON-CO			J. 2. 4.									
FOR NON-CC	KKOSTVL SL	INVIOL.										
We certify the	at the statemen	its made in this	c s report are correct a s, Section VIII, D	ERTIFICATI nd that all del ivision 1.	E OF SHOP tails of design	COMPLIA n, material,	NCE construction	n, and workmanshi	p of this ve	essel con	form to	
	f Authorization N		•	26189			Ex	oires	2-24		2001	
Date 1/8			Plant Maintena		Corporation P	Plant B		Signed J	m (Refre	lich	Rolz	1 à
Date 70	, , , , , , , , , , , , , , , , , , , ,			(Manufacture)	r)				(Repres	ntative)	Ť	
				CERTIFICAT								
I the undersid	ned, holding a v	alid commission	on issued by The Nati	onal Board of	f Boiler and F	Pressure Ve	ssel Inspecto	ors and the State or	Province of		TN	
and employed			RCIAL UNION INSU				of	BOSTON,			have ins	spected
41	اممطاعمهما الممسا	in this Manufa	aturara Nata Danart	on 12-	20-91	8	. a	nd state that, to the	best of my	knowledge	e and be	lief, the
Manufacturer employer mak nor his emplo	has constructed les any warranty yer shall be liable	this pressure	cturer's Data Report vessel in accordance implied, concerning er for any personal inj	HA Dressure I	vessel descri	bed in this I a loss of ar	sion 1. By s Manufacture ny kind arisin	gning this certificate 's Data Report. Furt g from or connected	e neither the hermore, ne I with this ins	Inspector ither the Ir spection.	nor his	
Date /-C	28-99 S	Signed /	what	Admized inspector)	ndl	Cor	nmissions	N 8/1534A (Nat'l Board incl.)	endorsement, S	tate, Province	e and No.)	
		(CERTIF	ICATE OF F	FIELD ASSE	MBLY CO	MPLIANCE					
We certify that Code, Section	t the statements VIII, Division 1.	on this report	are correct and that	the field ass	sembly const	ruction of al	l parts of this	vessel conforms w	th the requir	rements of	ASME	
U Certificate	of Authorization I	No.					Ехр	res				
Date		Name		(Assemble	ar\		9	Signed	(Represe	entative)		
			CERTI	FICATE OF	•	FMRI V IN	SPECTION		• •	•		
	bolding o	olid commissi	on issued by The Nat	ional Board o	f Boiler and F	Pressure Ve	ssel Inspect	ors and the State or	Province of			
		and commissi	on issued by the Had	ionai boaro o	n goner and t	10000,0 70	0					
and employed have compa	od the stateme	nts in this M	lanufacturer's Data	Report with	the describ	ed pressur	e vessel a	nd state that part	ts referred t	to as data	a items	
			, no cted and assembled t	nt included in	the certificate	e of shop in:	spection, hav	e been inspected by	y me and to	the best o	f my kno	wledge
was inspecte	d and subjected	to a hydrostati		n this Manuf	psi. By acturer's Dat	signing this ta Report.	certificate ne Furthermore	either the Inspector (, neither the Inspe	nor his empl	oyer make	es any w	arranty,
Date		signed				_	mmissions		4 4 . 4	anto Domilio	o and No. \	
2010	•	- J	(Author	ized Inspector)				(Nat'l Board incl.	enaorsement, S	iate, Provinci	e 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

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y	V

1 . Mai	nufactured	and ce	rtified	by 1	MACH	IN	rern?	TION	AL 6	119 FU	LTON	HOUS	TON, TE	CAS '	77022	
									(Name 3690	and addres	s of ma MEI	anufact MPHIS	rer) , TN 3816			
3.100	cation of i	nstall	ation						(Name	and address	ss of pa	urchase	r) .			
4 . Tva	eation of i	emaı	cks #	13 h	oelov	NT			(N	ame and ad	dress)	98110	2-1		N/A	
, ,	(Descr	iption	of ves	sel par	t (shel	l, tw	o piece	head, t	ube bur	dle)]	(M	ifg's s)2-1 erial No.)		(CRN	
	N/	<u>A</u> t'l. B	d. No.)		N/A	A rawin	g No.)			N/A (Drawing p	orepare	d by)	NT / B		(Year	998 Built)
5 . asi	4E Code, Se	ction	VIII, D	iv. 1_	199	95	19	997		_N/2	Α		N/A Special			
6 . She	ell (a) No	. of c	ourse (s):	Edit N/A	ion	Adde	enda (dat (b	e)) Over	Code all length	Case No	o. in.):_	Special . N/A	Service	per UG-	120 (d)
	Cours	a (s)		1	Materia	1	Thic	kness	Long	. Joint (Ca	t. A.)	Circum	. Joint (Cat.A	,B,&C)	Heat Tr	eatment
No			ength		/Grade/	Туре		Corr.		F,S,N		Туре		Eff.	Temp.	Time
-	N/A	N/A		N/A		 	N/A	N/A	DBL	FULL	100%	N/A	N/A	N/A	N/A	N/A
-	-	1-		 												
7 . He	.Heads:(a)															
					ide or '	-	-	ime & Ter		(Mat shperical			Grade or Type to Pressure		-Time & Category	
	Location (T,B,E)	-	Corr.			1 '	atio	Angle	1	adius	Diam.		ex Concave		F,S,1	
(a)																
(b)	<u></u>	ــــــــــــــــــــــــــــــــــــــ					Quan exist the entire terms							<u></u>		
	ovable, bo								****	l Spec. No.	. Grad	e. Size	. No.)			
9. Im:	(internal pact test lydro., Pne	1., or	comb.	test pr	· e 9 3		(Indica	te yes or	c no an	d the comp	onent (s) impac	tal temp			
-	pose(Inlet,	-	- Carlotte and Carlotte	neter	Flang	-		erial	N	ozzle Thic	kness	Reinfo	rce. How	Attache	d L	ocation
	Drain, etc.		or s	Size	Туре		Nozzke	Flanc	re l	Nom.	orr.	Mater	ial Mogzle	Fla	nge In	sp.Open.
					•			1	2/	120	Δ	KEUEN		χφι'		
						(1/0	× 44	/4	<u></u>	CITE	IM /			
<u></u>				-	<u> </u>		/	4) - o't (10/10		HEAT A	- Accord			
12.5	Supports: S	cirt	es or ne	Lug	s (No	.)	_ reds	(No.)		77	Describ	SLAB	Joe achie	(Wh	ere and l	how)
13.	emarks: <u>10</u> RADIO	$\frac{-3/4}{CDNI}$	4"OD.	<u>. 3751</u>	N PI	<u>PE</u>	<u>X 10.</u>	-3/4-4		MADE	PROM	SRAG	8 800 Pi	ATE		
DES:	GNED E	Y O	THERS	3					,				/			
of t	his pressu	e vess	el part	confo	rm to t	nis re the As	sport and	re correct for Pre	t and	Vessels, S	etails ection	VIII, D	rial, constru ivision 1.	ction,	and work	manship
U Ce	rtificate o	f Auth	norizati	Lon Num	ber	14,17	77	Expire	s <u>S</u>	eptember 1	3, 2001	<u>. </u>	0	0	•	İ
Date	11.10	.98	Name_		MAC	H I	NTERI (Manufa	VATIO	NAL	Signe	a/	ragi	ul M (Representat	two)	un	
State the best Sect imple nor conf	e or Proving pressure vo. of my known viii, industrial concentration viii, industrial	nce of sessel participation of the sessel participation of	TEX part des and bell on 1. By the pres all be 1: inspect:	XAS scribed lief, to y signification via scre viable i	and emplin the ham in the Mann ing this ressel pand in any s	ission ployed is Man ufactu s cert part d manne:	n issued i by <u>l</u> nufactururer har tificated describer for as	i by the H.S.B rer's Date s construe neither ad in thing person	Nation . T. & ca Repondented to the in is Manumal inj	rt on // his pressur nspector no facturer's ury or pro	f Boile of of re vess or his Data R perty d	el part employe eport. amage o	in accordance rakes any we futhermore, near a loss of a	and sta e with arranty either ny kind	te that, the ASME , expres the Insp arising	to the Code, sed or ector
Date											_		~~~~~			