SHE Job #

FORM U-1 MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS

E-216

4	n.	7	-
L	u	. /	- /

as required by the provisions of the ASME Code rules, Section VIII, Division 1

								-	The second secon
Manufactured and	l certified l	by South	ern He	at Exch	anger (Corp., 61	00 Old Mo	ntgomer scaloosa	y Hwy.
2. Manufactured for						idress of purchase		SCalousa	, AL
3. Location of install	ation	ATOCH	6M	CALVE	ir C				
4. Type: Heat Ex	ch.	90.27 (mfr's, serial	(no)	None (CRN)			- GG	2 Bd. no.)	1991
5. The chemical and VESSEL CODE. Th	, physical p	roperties of a	III parts me	et the requ	irements of	material spec	ifications of the	ASME BOIL	
A89	2703	-				X 51	_		(year)
(addenda (Da	n 50#1		le Case no.)			5.5	ecial service per UG		
Items 6-11 inclusive to	be compl	leted for sing	le wall ves	ssels, jacke	is of jacket	ed vessels, or	shells of heat o	exchangers.	2
6. Shell: 50 - 100 (mat'l. (spec	no., gradei)	, 2 (nom. l	ns u hickness (in.)	· · · · · ·	(corr allow. (i	n.))	1-9.250 (dia ID (II. & in.))	u (ler	7-11.875" igth (overail) (fi. & In.))
7. Seams: SMLS			35	<u> </u>		~~		med .	1
(long. (dbl .	sngi.))	(RT (spot or full)) (eff. (⁶	%)) (HT temp			., sngl.)) (RT(spot	l, partial, or full)	(no. of courses)
8. Heads: (a)		(mat'l. (spec.	no., grade))		()	(mat'l. (sp	ec. 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)	L	l	1	L	I	L	l	L	L
If removable, bolts	usea (aesc	cribe other fas	stenings):		~~~	(mat'l.,	spec no., gr., size, n	0.)	
9. Type of jacket:	None		Proof	test:		····			
					nensions:			if bolted	, describe or sketcl
St. 1 &							. Hydro., xomx		
tems 12 and 13 to be					*.,	1007			
· <		K	27	C u		v	150	,	
2. Tubesheets: SA (station)	ary mat'l. (spe	ic. no, gr.)) (dia	(in.) (subject	to pressure))	(nom this	kness (in.))	(corr. a)low. (ii	n.)) (all	Schment (welded, boiled)
	_								
.70	g mai'l (spec		(dia (ii	5.67		kness (in.))	(corr. allow. (in	-	(attachment)
3. Tubes: 53-16°	3 - 600 ec no. gr))	2	(OD (in))	(000	14	ton annuall	412	<u> </u>	PACHT
ems 14-17 inclusive to	(A)				ed vessels	80 S.T. 0-70 P.	(no.) I heat exchange		(type (straight or U))
4. Shell: 50-106	200	. 35	15 *		0625		1-9.250	U	1-2.250"
5. Seams: Swt.	3.	(RT (spot or fu	85		2. 1H	2. <u>SUBL.</u> (girth (db).		ال , partial, or full)	(no. of courses)
6. Heads: (a) SA-	516-7			(11)	(b		. angraji (itt (apot	, partier, or rong	(110. 01 0001343)
		(mat'l (spec. r	no . grade))				(mat'l. (spe	c. 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) TOP/BTM.	.35	0625"			2:1				CONCORE
if removable, bolts u	sed (desci	ribe other fas	tenings):	84.19	3-137	(28)81	- 34-10		
2 /					4	(mai i., 5	pec. no., gr., size, no	.,	4.0
7. MAWP: 300/FV at	max. temp	250	Min desigr	n metal temp	:- 40 ('F)	at <u>(psi)</u>	Hydro., 10011101	M20010K test p	pressure 450

18. Nozzles, inspection and	safety valve	openings:						
Purpose (inlet, outlet, drain, etc.)	Number	Dia. or Size	Туре	Mat'l.	Nom. Thickness	Reinforcement Material	How pAttached	Location
17	1-1	44-15D	RESO	SA-106B	.3314	INHERENT	WELDED	SHOW
CLEAN-DRAIN	1-1	20 11	U	u	.344"	9	u	
IN IN	1	34-300	U	u	. 437"	ч	b	Bornet
DUT		20- 9	U	4	.3440	a	V	U
							<u> </u>	
								
								ļ
							 	-
		-		ļ			 	-
		1	L	L		l	1	1
19. Supports: Skirt Jo tyes or n 20. Remarks: Manufacturers		Legs_	(no.)			Attached Sta	(where and how	nished for the
following items of the re		neports prope						
			(name	of part, item nu	mber, mír's, name	and identifying stamp)	
406-46(3)	· HUCS	-66633"	uce	s-68(c	5"			
	************							/ ************************************
				F SHOP CON		4 U P		bl- of thiA
We certify that the statemen						naterial, constituc	tion and workm	anship of this
vessel conform to the ASMI	E Code for Pr	essure Vessels	, Section	VIII, Division	1.	,	01	$\Gamma \wedge 1$
"U" Certificate of Authoriza	tion no/U	expi	res Feb.	60 , 15	ovetlen.	Signed	Janux 41	·Nolad
Date 4-1 -91 Na	me_South	ern Heat E	manulac	Jer Corp	oration	D. H. No	land (repressorte	live)
		CERTI	FICATE O	F SHOP INS	PECTION			A
Vessel constructed by So	uthern H	eat Excha	nger C	orporation	n	at Tu	iscaloosa,	AL
I, the undersioned, holding a	valid commis	ssion issued by	The Natio	nal Board of	Boiler and Pre	ssure Vessel Ins	pectors and the	state or prov-
ince of Hy	_and employe	ed by Comme	<u>ercial</u> L	Jnion Ins	surance (ompany		
		of Boston	MA	nave inspecte	d the pressur	e vessel describe	d in this Manuf	acturers' Data
Report on 04-01					nowledge and	belief, the manu	facturer has co	nstructed this
pressure vessel in accordan	ce with ASM	E Code, Sectio	n VIII, Divi	ision 1.		900		
By signing this certificate no	either the insp	pector nor his e	mployer m	iakes any wai	rranty, expres	sed or implied, co	oncerning the pr	essure vesse
described in the Manufactur	ers' Data Rep	ort. Furthermo	re, neither	the inspecto	r nor his emp	loyer shall be lial	ole in any mann	er for any per-
sonal injury or property dam	nage or a loss	s of any kind a	rising from	or connecte	ed with this in	ispection.	NVJOKU	DE 2183
Date 01-0 (-91 Signe	d <i>[QIII.</i>	(Authorized Insi	pectori Q	m.BRO	commissions_	(Nat'l 8d (incl en	dorsements) state, p	rov and no.)
		(NOTITION TOO MA)						
					Y COMPLIAN		Section VIII Dis	ulsion 1 of the
We certify that the field ass			its of this	AGSSEL COULC	ams with the	redunentients of	Coolion Till, Di	
ASME BOILER AND PRESS "U" Certificate of Authoriza			100	10	1			
DateName						Signed		
DateRain	G	(assembler that ce	rtified and co	nstructed field a	ssembly)		(representa	(Ive)
		CERTIFICAT	E OF FIE	LD ASSEMBL	Y INSPECTIO	N		
I, the undersigned, holding a	valid commi						pectors and the	state or prov-
ince of	_and employe	ed by						· · · · · · · · · · · · · · · · · · ·
			of		_have compar	ed the statement	s in this Manuf	acturers' Data
Report with the described pr	essure vesse	I and state that	parts refe	red to as dat	a items		, not in	ncluded in the
certificate of shop inspection	on, have beer	n inspected by	me and th	hat to the be	st of my kno	wledge and belie	f, the manufact	urer has con-
structed and assembled this	s pressure ve	ssel in accorda	nce with A	SME Code,	Section VIII, D	ivision 1. The de	scribed vessel v	vas inspected
and subjected to a hydrosta	atic test of	р	si.					
By signing this certificate no	either the insp	pector nor his e	mployer m	nakes any wa	rranty, expres	sed or implied, co	oncerning the pr	essure vesse
described in the Manufactur	ers' Data Rep	ort. Furthermo	re, neither	the inspecto	or nor his emp	loyer shall be lial	ole in any mann	er for any per-
sonal injury or property dan	nage or a loss	s of any kind a	rising fron	or connecte	gg with this ir	ispection.		
DateSign					- mmieeiAne			

(Authorized Inspector)

(Nat'l. Bd. (incl. endorsements) state, prov. and no.)