TO: 19084757064

99433

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

11-80	12	M	10
XTC	do	4	0
/ /	1.555		

	nufactured and		Robert Mi	tchell C	o., Inc.	Douglas	Bros. Div	. 1039 Riv	rerside S	03
. Ma	nufactured and	certified by		(1	lame and address o	(manufacturer)	XT .T	101 CTAIN	. J. L. U. U.	
. Ma	nufactured for	Hoffmann	-LaRoche	Inc., P	.O. Box 3	of purchaser)	ey, N.J.	ere N.I	07823	. 1 .
3. L	cotion of instal	lation Hoff	mann-LaRo	oche, Inc	., 233 Ro	ddress)	e, Bervru	ere, M.o.	67020	1000
	Vant	1	DB-88-	129		- 8	7E-0014 R	ev.2	64	
3. T	vpeVert.	or sert, tank)	0	Alge's scrip! No.)		(CRN)	(Draming)		IN'L Bd No)	
	ne chemical and	ohysical prope	erties of all part	s meet the req	uirements of m	aterial specific	ations of the AS	ME Boiler and I	Pressure Vesso	Code, The design,
	12-31-			nd and 400 list		-				
7/25		da (date)		Code Case No.		- A.S.		Special service per UG-12	0[4]	
	-11 incl. to be co.	mpleted for sing		. 230	Hone			2"	61	1 1/2" costh (Overall) (h & in.)
6. S	hell: SA-Z4	Mail (Spec No. Gra	de)	Non. This. (m.)	Con A	low, (in)	Diam. I	D. (11 & IA.)		
, c	eams: Sng	1. with	backing		None	5 III		65		H.T. Temp (F)
7. 5	earns.	Lun	(Obl. Sngt)		R	T (Spot or Full)	Mono		3	
		fune.	<u>Db</u>	1, Gni	N (D81 , Sngl)			os, Partial, or Full)		No of Courses
8. H	leads: (a) Matl.,	SA-240-	304L	No Grade)		(b) Mat		(Spec)	lo . Grado)	
ſ	Location (Top,	Minimum Thickness	Corrosion	Crown Radius	Knuckle Padius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Drameter	Side to Pressure (Convex or Concave)
	Bottom, Ends)					2:1				Concave
(a)	Bottom	. 1628	None							
10.	Type of Jacket Lacket Closure Lacket Closure Lacket Closure Lacket Closure Lacket Lack	Describe	psi at ma ess. 220	r, etc.)			" x 1,000		F)	d, describe or sketch
	Tubesheets.	N/A Stationary Mail (S		Diani (m) (Subje	ct to pressure)	Nom This	(m)	Corr Allow (III.)		tach (Welded, Bolted)
	-	Floating Matt (Sp	ge No Gr)	Diam	(m)	Nom Thi	(in)	Corr Allow (m	1	Allach
13.	Tubes:	N/A Mail IS	Spec No Gr)		OD (m)	No	m This (in or Gaug	Number		ype (Straight or 'U')
Items	14-17 incl. to be	completed for	nner chambers o	I jacketed vesse	els or channels o	heal exchange	2'3_1/	۸"	6	'1 1/2"
14.	Shell: _SA-2	40-304I.		.625		Allow (LA)		1.D. (fi & m)		Length (Oreras)(It & in)
		Mail Ispec No. C	H4061	new ma to	None			70		
15.	Seams:	bl.	Long (DIA Smyl)		HOHE	R.T. (Spot or Full)		£11 (%)		HT. Temp. (F)
	_	,,		Dbl.	No.		Nor	ie		2 Na of Courses
		Tone			the (Det., Sogt)		RT	Spot, Partial, or Full)		tin or county
16	Heads: (a) Matl	SA-240	-304L			_ (b) Matl		ISpec No.G	rade)	
		-	(Spec. N	o , Grade)	1	611	Conical	Hemispherical	Flat	Side to Pressure
	Location (Top. Bottom, Ends)	Minimum Thickness	Corresion Allowance	Crown Radius	Knuckle Radius	Elliptical Natio	Apex Anglo	Radius	Diameter	(Convex or Concave)
(a)	Bottom	.585	None			2:1				Convex
(b)						l		<u> </u>	L	1
,, -	If removable, b	oolts used (des See R	cribe other faste emarks	enings)			(Mail, Spec No. G			0
17.	MAWP_Atmo	os.	psi at m	ax. temp	360		Min. temp, (who	n less than -20°	1-)	
	Hydro., pneu.,	or comb. test	press. 220	psi exte	rnally ap	plied	psi.	DE ASME 246	F. 471h St	New York, N.Y. 100
				This form	F00108) may 1	se obtained fro	m the Order D	PL., Marrie, 34:	1 -1 (11 -11)	

Form U-1 (Back)

18. Nozzles, Inc	spection a	and Safety Val	ve Openings:					
Purpose Ilinies, Outles, Oraliz, esc.)	No.	Diam. or Size	Type	Matt.	Nom. Thk.	Reinforcement Madi	How Attached	Location
inlet	A	6"	Pipe	SA-312-304L	Sch. 80	SA-240-304L	Welded	Shell
Outlet	В	10"	11	II II	Sch.40	- 11	. 11	
Sightglass	c	7 1/2"	Pad	SA-240-304L		11	Tr .	11 .
Drain	D	2"	11	11		None	- 11	11
team Inle		2"	Pipe	SA-312-304L	Sch.40	H	11	Jacket
Cond.Outle		111	11	11	tt	- 11	11	11
Steam Inle		2"	11	.11	11	11	11	11
Cond.Outle	-	1111	11	11	Sch.80	11	ŧı	15
ond Outre	C n	+			100.100			
		L		L		77 1.1 1 1 - 7 - 1		
19. Supports:	Skirt_	NQ_Lugs_4	Legs		Attached	Welded to Jack	(Where and how)	
		or no) (No		11 Descent 1 100 (ex-50 for)				
20. Remarks: N	Manufacto	urer's Partial I	Data Reports	properly identified and	signed by Con	nmissioned Inspectors h	eve been furnished	d for the following
items of the						name and edentifying stamp)		
		2 2				140		2
The i	nner	chamber o	of the j	acketed vessel	is design	ned in accordan	ice with th	.e
requi	remen	t of UG-	28, howe	ver the intende	ed intern	al pressure is	atmospheri	.c at
				sted in the ver	rtical po	sition & sarety	valves 10	cated
elsew	here	in system	n.					
				CERTIFICATE OF S	HOP COMPLIA	ANCE		
We certify that	the state	ments made in	this report a	are correct and that all c	details of design	n, material, construction	, and workmanshi	p of this vessel con-
				VIII, Division 1.				. 1
"U" Certificate			16779	expires_	6-29	. 19 90	/	7
Date 5-9-		Co. 000	Robert	Mitchell Co.,	Inc.	_Signed	auckun)	h.
Uate	М	CO, Ilan		(Manufactorer)))(nuglas Br	os. Div.	(Representative)	
		Robert M	itchell	CO., Inc.		(120 Distraggardo 1	St. Portlan	d, ME 04103
Vessel construct	ed by	Douglas	Bros. Di	V. V. Jed by the National Boa	1 -4 0 -31	J. Ossanius, Visage I bango	sense and/or the C	tare or Province of
		ing a valid co	mmission issu	ployed by Lumberms	ro of Boiler an	1 Coougles Co	Tong Crove	TT 60049
Maine			and em	ployed by_Lumberms				
01	x 10	3		sd	hava inspi	ected the pressure vessel	bescribed in tills r	handracturer's Data
Report on		/	, 19_2	38, and state that, to	the best of my	Knowledge and belief, t	ne Manufacturer i	nas constructeo tris
				ion VIII, Division 1. By				
ranty, expressed	l or impli	ed, concernin	g the pressure	vessal described in the	Manufacturer's	Data Report. Furtherm	ore, neither the in	ispector nor his em-
player shall be li	iable in ar	ny manner for	eay person	indry or groperty dama		iny kind arising from or	S3 A R	is Inspection.
Date9	las	Signed_		(Authorized Inspector)	Co	mmissions ME. 5	at'l Board, State, Province a	nd No.1
					no emperanta anticolor			
				RTIFICATE OF FIELD			21	
We certify that	the field	assembly con	struction of a	all parts of this vessel con	nforms with the	e requirements of Section	VIII, Division 1	of the ASME Boiler
and Pressure Ve	ssel Code	•					•	
"U" Certificate	of Autho	rization No		expires -		, 19		
Date		Co. nan	ne	embler that certified and constructed fo		Signed	(By Representativa)	
				RTIFICATE OF FIELD		ISPECTION	(b) Replianting	
I, the undersign	ned, hold	ing a valid co	mmission Iss	ued by the National Boa	rd of Boiler ar	nd Pressure Vessel Insper	ctors and/or the S	state or Province of
				and emp				•
		and the resemble of the second						turer's Data Report
with the describ	ed pressu	re vessel and s		s referred to as data item				not included in the
				by me and that, to the b		ledge and belief, the Mai		
				Code, Section VIII, Divi				
				ner the Inspector nor his				
				. Furthermore, neither t				
				ng from or connected wit				
Date		Signed_		(Authorized Inspector)	co	mmissionsINN'I 81	ard (incl. endorsements), St	ate, Prov., and No. 1

(Authorized Inspector)