213T3650

TO: 19084757064

APR-24-2001 00:26P FROM: 2/3 T3650 2/3 T3640 T0:19084757 GGU32 FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1101										
99630)	was Div	1030 Riv	erside S	t	
7 96 30 Manufectured as	nd certified by _	Robert Mit	chell Co	lams and address of	l manulacturer)	ros. Div.	Portland	. ME 041	03	
	** 55	T -Doobo	Tno D	O Boy 3	133. Nut1	ev. N.J.	07110		<u> </u>	
Manufactured for	or_HOLIMAN	n-LaRoche	F-6-3114_6	(Name and address	of purchaser)		w T	07822		
. Location of Inst	Hof	fmann-LaRo	oche, Inc	., 233 Ro	oche Driv	e, Belvio	ere, N.J.	0/023		
		DB-88-12		(Name and a	ddress)		0 (1	60	1988	
. TypeVert	<u>.</u>	DB-88-12	27		CRN)	37R-0014 F	ev. 2 61	DZ	1988 (Year balls)	
							· ·			
. The chemical er	nd physical prop	erties of all part	s meat the requ	uirements of m	aterial specific	1986	MILE BOILET and I		Code, The design,	
construction, a	nd workmanship	conform to ASI	ME Rules, Sec	tion VIII, DIVIS	1011 1		Year		20 M	
12/31/87	37								/5 Village	
Ad	(denda (date)		Code Case No.				Special service per UG-12	0(4)		
ms 6-11 incl. to be	sampleted for sin	nle wall vessels. it	ackets of lackets	ed vessels, or she	els of heat exc	hangers			11 1/00	
5. Shell: SA-	240-304L		, 250 Nom This, (m.)	Non	e	2 15 1/211 Diam 1.0. (fi & so.)			611 1/211 (Length (Oversit)(ft & in.)	
	Matt ISpec No_ Gradel									
. Seams: _Si	Seams: Sngl. with backin			Non	T. (Spot or Full)		65 EII (8)		H, T. Temp. (F)	
			L1			None			3	
9 1	fine		bl.	h (DbL, Sngl.)			et, Partial, or Full		No. of Courses	
000 00 00000000000000000000000000000000	. SA-24	40-304L	P. 1	182	(b) Mat	I		io. Grade)		
3. Heads: (a) Mat	1	{Spec	No , Grade)				(Spec n			
Location (Top.	Minimum '	Corrosion	Crown	Knuckle	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)	
Bottom, Ends)	Thickness	Allowance	Radius	Padius			- 1000000000000000000000000000000000000		Concave	
(a) Bottom	.1628	None			2:1				Concave	
(b)	ــــــــــــــــــــــــــــــــــــــ	<u> </u>				L				
9. Type of Jacke 0. Jacket Closure	(Describ	a as office a money or					n less than -20°	c)		
. MAWP14		psi at ma	x. temp	360	vF. N		n 1633 (11811 -20			
	, or comb. tes p				ps	!= :		*		
tems 12 and 13 to b	e completed for to N/A	ube sections							tach (Welded, Bolted)	
2. Tubesheets:_	Stationary Mail (S	Spec No. Grl	Dram (in) [Subje-	ct to pressure)	Nom This	(in) Corr Allow (in)			Allaci (446ideo, Bones)	
					5-14-11		Corr Allow (in		Ajlach	
-	Floating Mott (St	ec No. Gr)	Diam	(in)	Nom Ilik	(in)	Carl Man ton			
3. Tubes:	N/A	N. C.1		OD (m)	No	m Thk (in or Gairge	e) Number		Type (Straight or "U")	
		(Spec No. Gr)			•					
tems 14-17 incl. to	be completed for	inner chambers of	1 jackeled vesse •625	is or channels of Noi	neat exchange	213	1/4"		6'1 1/2"	
4. Shell: SA-	Mail (Spec. No.)	Grade)	Nom The lin		Allew (in)	Diza	10 (hein)		Leogh (Oreist))(ft & in)	
	Db1			Nor	ne				HT Temp. (F)	
5. Seams: —		Long (Dbl. Sngt)	velve		R.T (Spot or Full)	**			2	
-			рь1.	th (Obl., Sngl.)		None	Spot, Partiel, er Full)		No. of Courses	
	SA-240	2041	Oil.	in tour, anger						
16. Heads: (a) M	atlSA-24(o., Grade)		(b) Matl		(Spec. No., Gr	rade)		
Location (Top.	Minimum	Coirosion	Crown	Knuckle	Elliptical	Conical Apex Angle	Hemispherical Radius	Flat Drameter	Side to Pressure (Convex or Concav	
Bostom, Ends) Yhickness	Allowance	Radius	Radius	Ratio		1		Convex	
(a) Bottom	.585	None			2:1		 		00	
(b)		ــــــــــــــــــــــــــــــــــــــ	<u> </u>							
' If removable	, bolts used (des See I	scribe other faste Remarks	nings)			(Matt. Spec No., G			II :	
17. MAWP_At			ex, temp	360	°F.1	Min. temp. (whi	n less than -20°	F)		
THE RESERVE OF THE PROPERTY OF THE PARTY OF	and the second s		and the second	and the state of t	7 1 - 7	0000-20				

Hydro., pneu., or comb. test press. 220 psi externally applied psi.

(12/82)

This form (E00108) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

Form U-1 (Back)

18. Nozzles, In	spection a	ind Safety Val	ve Openings:							
Purpose Itales, Outles, Oralo, etc.)	No.	Diara. or Sita	Түре	Meti.	Noca. Thk.	Reinforcement Mad.	How Attached	Location		
Inlet	A	6"	Pipe	SA-312-304L	Sch.80	SA-240-304L	Welded	Shell		
Outlet	В	10"	11	11	Sch.40	"	. 11	11		
Sightglas		7 1/2"	Pad	SA-240-304L		11	"	11		
Drain	D	2"	11	11		None	11	11		
Steam In1		2"	Pipe	SA-312-304L	Sch.40	11	11	Jacket		
Cond.Outl		1"	II	11	11	11	1)	ti ti		
	71192 711920 717	2"	11	11	U	ii	11	11		
Steam Inl		1"	n		Sch.80	11	11	11		
Cond.Out1	et H	<u>+</u>			BC11.00		-			
							—			
· · · · · · · · · · · · · · · · · · ·					ļ			+		
					L			1		
19. Supports:	Skirt_1	lo Lugs 4	Legs	_Other	Attached.	Welded to Jac	Where and how)			
	(Yes	or no) (No	(No	(Describe)		()	ranere and now,			
20. Remarks: (Manufactu	rer's Partial	Data Reports	properly identified and	signed by Com	missioned Inspectors ha	ve been furnishe	d for the following		
items of the										
				***************************************		rame and dentifying stamp)				
The in	ner ch	namber of	the 1ac	keted vessel i	s designe	ed in accordanc	e with the			
reguir	ement	of UG-28	3. howeve	er the intended	internal	pressure is a	tmospheric	at		
ambien	t tem	. Vesse	1's test	ted in the vert	ical posi	tion & safety	valves loc	ated		
		system								
ETPEMI	ELE II	System		0.0000000000000000000000000000000000000	IOD COMPLIA	Not				
				CERTIFICATE OF SI						
We certify that	the states	nents made ir	this report a	ire correct and that all d	etails of design	, material, construction,	and workmansni	b or ture seesar con-		
				VIII, Division 1.		00	. 21			
"U" Certificate	of Author	rization No.	16779	expires	6-29	7, 1990	d	hull		
Date 4/	188	Co. nan	. Rober	t Mitchell Co.	Inc	-Sigged Barne	(Regressatation)	mirons		
(Manufactural DOUGIAS BLOS, DIV.)										
Vessel constructed by Robert Mitchell Co., Inc. 1039 Riverside St. Portland, ME 04103										
Douglas Bros. Div.										
Maine and employed by Lumbermens Mutual Casualty Co. Long Grove, IL 60049										
have inspected the pressure vessel described in this Manufacturer's Data										
9/80										
pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any war-										
ranty, expressed	or impli	ed, concerning	g the pressure	vessel described in the	Manufacturer's	Data Report, Furthermo	ire, neither the ii	to to consider		
player shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.										
Date 4[1]31	0	Signed_	7	(Authorized Inspector)	Cor	nmissions	17 Bold, State, Province	70		
				(Apparent myrete)		· · · · · · · · · · · · · · · · · · ·				
				RTIFICATE OF FIELD A						
We certify that	the fleld	assembly con	struction of a	Il parts of this vessel con	forms with the	requirements of Section	VIII, Division 1	of the ASME Boiler		
and Pressure Ve										
"U" Certificate				expires		, 19	 .			
Date		Co. nan				- Signed				
Oate		00. man	IAsse	mbler that certified and constructed lie	id assembly)	AST MESS. CONT.	(By Representative)			
CERTIFICATE OF FIELD ASSEMBLY INSPECTION										
l, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of										
						compared the statement	e in this Manufec	turer's Data Renors		
		707 (5)				compared the statement				
with the described pressure vessel and state that parts referred to as data items, not included in the										
certificate of shop inspection, have been inspected by me and that, to the best of my knowledge and belief, the Manufacturer has constructed and assem-										
bled this pressure vessel in accordance with ASME Code, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test										
ofpsi. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure										
vessel described	In this M	lanufacturer's	Data Report.	. Furthermore, neither th	ie Inspector no	or his employer shall be l	iable in any man	ner for any personal		
injury or proper	rty damag	e or a loss of a	ny kind arisir	g from or connected wit	h this Inspectio	in,				
Date		Signed_			Cor	mmissions		us Bus sed Vo I		
				(Authorized Inspector)		[Nat'l Box	ed land endorsements, St	etc, rior, toa na l		