#104157

FORM U-1 MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS As required by the Provisions of the ASME Code Rules M & L JOB # 176/0-2

1. Manu	factured by	MANNING &	ELEWIS ENG.		AY AVE., UNION, I		<u> </u>	MVZF 8)
0. 16	factured for 14E	RCULES	5 INC		nd address of manufactu			
				(Name	and address of Purchasi	er)	050 Yr. Bu	ilt 1970
								men her
					s of jacketed vessels,			11 / At
4. SHEI	L: Material SA (Kine	285°C, d and Spec. No.)	T.S. 6600 (Flg. or F.B.	Nom. Tkns. Spec. Min. T.S	3/8_ in. Allow. 1/1	6 in. Dia. 2	F1. 8 in. Lgth.	11 F.8 18 In
5. SEAN	IS: Long DBL (Welded, DI	BUTT bl., Single, Lap, I	H.T. (Yes or	No) 1 R.T. St	Complete) Sectioned (Yes or No)	ncy85%	If riveted de- scribe seams fully on re- verse side of form
6. HEAI	DS: (a) Material_		T.S.	(T.S.	
	Location op, bottom, ends)	Thickness	Crown Radius		iptical Conical atio Apex Ang	Hemispheri de Radius	cal Flat Diameter (Side to Pressure Convex or Concave
							الشنسان فينات سار	11/2
If rem	ovable, bolts used.	(Materi	al, Spec. No., T.S.	Size. Number)	Other fastening_	(1	Describe or Attach Skete	eh)
7. STAY	BOLTS:		Assessed to the second and a	Attachment	Threaded, Welded)	Pitch(Horiz.)	_XDia	m(Nominal)
8. JACK	ET CLOSURE:	1050001			is non clus plushi	Flanc IF Dal T	ED. DESCRIBE OR SK	
		(DESCRI	BE AS OGEE & M	ELD. BAR, EIC.	IF BAR, GIVE DIMEN:	51045, IF BULI	- A	етсн).
9. Const	ructed for max. able working press.	150	psi. at max. ter	mp. 375 °F	Min. temp. (when less than -20°)_	~°F.	Pneumatic or Test Combination Press	225 psi
Items 10 ar	nd 11 to be comple	ted for tube sec	tions.	4. 7.4	231/0	.7		MELDEN
10. TUBI	E SHEETS: Stati	ionary. Materi		40 - 304 Di	ia	n. Tkns. Z	In. Attachmo	(Welded, Bolted
	Floa	ting. Materi		luasita Antisada	ori nalvilamios hitro	n. Tkns.	In. Attachn	(CLAMPED)
		249	(1	Cind & Spec. No.)				
11 TURE	T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	04 00	3/4	In Thickness	Inches	Number	778Type	STR.
II. TODA		& Spec. No.)	In Land -cl (e)	.III. Tillekiless	or Gage	14umber	1 y pc_	(Straight or U)
Items 12-1	5 incl. to be compl	leted for inner c	hambers of jack	eted vessels, or char	nnels of heat exchang	ers.	The state of	CZ 01/8
12. SHEL	L: Material SA	240-304	T.S. 7500	Nom. Tkns,	5/16 In. Allow.	5 In. Dia. 2	Ft. 8 In. Lgth	3 Ft.7/8 In
	(Kin	d and Spec, No.)	(Fig. or F.B.	& Spec. Min. T.S.)	40	1/0	8.5	
13. SEAN	(Welded, Di	ol., Single, Lap, E	H.T. (Yes or	No) 1 (Spot or	Complete) Sectioned (Yes or No)	ency	scribe seams fully on re-
	Girth	mi in XX	н.т	R.T	Sectioned	No. c	of courses	verse side of form
14. HEAI	DS: (a) Material	SA 615-70	T.S. 7000	O (b) Material	ASIS-70T.S. 700	000 (c) Ma	terialT.	s
(a) Top,	bottom, ends	С	rown Kn	uckle Elliptic	cal Conical	Hemispherical Radius	Flat Diameter (C	Side to Pressure convex or Concave)
(b) Chani (c) Floati	iici		10 17 L. L. L. L.				33/8	
I	f removable, bolts	used (a) SAI	(Material, Spec	. No., T.S., Size, Nun		SA 193-87	12500; 3/4	; 28
		(c)	THE PLANTAGE OF THE PARTY OF TH	Mularia Afai(Other	fastening	(Describe or Attack	Skatah)
						la libra	Hydrostatic)	ske(cu)
15. Const allowa	ructed for max. able working press.	150	psi. at max. tem	_{p.} 375 _{°F.}	Min. temp. (when less than -20°)		Pneumatic or Test Combination Press.	225 _psi
Items belov	w to be completed	for all vessels w	here applicable.	The state of the s	it galacijast 1619, 15m i	rid shamilton	mi gmane in	
16. SAFE 17. NOZZ	TY VALVE OU'	TLETS: Numb	oer		Size	<u>lli</u> L	ocation	
Pur	pose (Inlet, let, Drain)	Number	Diam. or Size	150 Type SO	SAG3. B	Thickness	Reinforcement Material	How Attached WELDEO
	DUT	1 1 1 20 3	3	150# S.O.	SA 63-B	5/80		1,
	N	1	10	150 E S.O.	59312-304	,250		. "
	סטד	1	20	150 = 5.0,	5A240-304	.250		
	EED	-1	4	150 5.0.	54312-304	5/405	_	11
	RAIN	1	2	150# 50,	SA 312-304	5/805	~	14
	FM7		/	HC	5A182-F304	3000 #		.,
DE	F V	2	3/4	H.C.	SA105-11	3000#	7	le .

10 DIODDOM	4	21	• •		8					
			Location							
OPENING		Size								
	Threaded, No	Size	Location		WELDED					
10 CLIDDODTO	C. Cl.!	1	LegsOther_	Atta	ched To SHELL					
D. SUFFORTS	S: Skirt(Yes or No)	(Number)	LegsOther_	(Describe)	(Where & How)					
20. REMARKS	S:									
	32-144 Me	OH EUAPORAT	OR REBOILER	W/575AM 1	N THE					
	SHELL DND "C	" M/L IM THE	TUBES							
	0,,,,,,,									
		1		No.						
-										
(Brief d	escription of purpose of t	he vessel, as Air Tank, A	fter Cooler, Jacketed Cooke	r, etc. State contents	of each part.)					
			nd that all details of design	, material, construcțio	n, and workmanship					
		e for unfired Pressure Ves		~ 110	\mathcal{O}					
	2/10 18		DIEG DUG GO	(A) I	11 Vo					
Date	19 /0	Signed MANNING & L.	EWIS ENG. CO. I	$By = \sqrt{y}$	mee					
Certificate of	Authorization Expires	DEC 31 1970		,						
		CERTIFICATE (OF SHOP INSPECTION							
	12.00			TINITON N I	1.					
VE	OOLD MUDE DI	ANNING & LEWIS ENG. C		UNION, N. J.						
	I, the undersigned, holding	a valid commission issued by	y the National Board of Boiler	and Pressure Vessel Insp	ectors and/or					
the	State or Province NAT'L	B' and employed by _	COMMERCIAL UNI	ON INSURANCE CO.	of					
	NEW YORK,	N.Y.	ave inspected the pressure ve	ssel described in this n	ianufacturer's					
data	a report on	19,	and state that to the best of m	y knowledge and belief,	the manufac-					
ture	er has constructed this pres	sure vessel in accordance w	ith the applicable sections of t	he ASME Boiler and Pr	essure Vessel					
Cod		CONTROL CANADA SAMPLE SEE SEE								
200	By signing this certificate	neither the Inspector nor his	s employer makes any warranty . Furthermore, neither the Inst	, expressed or implied, co	ball be liable					
in a	my manner for any persona	l injury or property damage	or a loss of any kind arising f	rom or connected with th	is inspection.					
	2/16/47	Ď 19	20		~					
Dat	6 6			NAT'I RD 7 D						
	Clarie	Con	nmissionsNotil	NAT'I. BD. 3						
	Inspector's Sign	nature		board or State and Ivo.						
	The second secon	CERTIFICATE OF FIE	LD ASSEMBLY INSPEC	TION						
		actors and/or								
			the National Board of Boiler							
the	State or Province	and employed by		. 1	of					
			have compared the statements							
with	the described pressure ves	sel and state that parts refer	red to as data items	the best of my knowled	ge and belief					
with the described pressure vessel and state that parts referred to as data items										
			inspected and subjected to a h		4					
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this manufacturer's data report. Furthermore, neither the Inspector nor his employer 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.										
in a	iny manner for any personal	injury or property damage	or a loss of any kind arising for	rom or connected with th	is inspection.					
Date	e	19		2	1					
			nmissions							
-	Inspector's Sign	nature Con		Board or State and No.						
	RECEDE ALL A SAME									