## FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1 102 221

Manula	actured and ce	rtified by	B	ENDEL C	ORPORAT	ION,	4823	N. GRAHA	M STREET, C	IARLOT	CE, N	C 2826	9				
Manufa	nahwad las							1909		and agreement	11000						
	actored tot		K	OSA, WI	LMINGTO	N, NC			(Name and addre	ss of Ma	nulactu	rer)				la .	
Locatio	on of installatio	n -	S	AME AS	ABOVE		·	(Na	me and address o	f Purcha	sor)					53	****
* 5									(Name and addr	555,500					ou!	000	00
Type: VERTICAL (Horiz,, vert., or sphere)				TANK: 6104-2/2 01610499 324 2000 (Tank, separator, jkt. vessel, heat exh., etc.) (Mig's serial No.) (CRN) (Drawing No.) (Nat'l. Bd. No.) (Year built)													
ASME	Code, Section	VIII, Div.	1		ED.; A		ida (dati	a)		do Caso I	Vo.	-	Sna	ina 2 lein	ce per UG-1	20(d)	
				wall vessel	s, jackets c	of jacket	ed vess	els, shell of	heat exchangers,	or chamb	er of m		er vessels.	all Goi ii	00 por 00 1	()	
Shell	(a) No. of co	urse(s):		ON	<u> </u>			(b) Overall	ength (ft & in.):			14 ' -9"	-				
lo.   D	Course(s)		1.8 in 1	Material		Thickness Norn. Corr.			ong Joint (Cat. A) Full, Spot, None			Circum, Joint (Cat. A, B &			Heat Treatmen		
				Spec/Grade or Type SA240-316L		1/4" 0"		1	SPOT	Eff. Typ:				Eff. 85%	Temp.		ime N/A
									<u>.</u>		-				.,,		
Heads		240-31	6L: H.	T.: NO	NE			Ll.	/L)	SA240-	3161.	H.T.:	NONE				
rieaus	s. (a)				Туре) Н.Т.	- Time	& Temp	( Politic)	(b)					) Н.Т Т	îme & Temp	,	
1	Location (Top,	Thick	ness	Rad		Ellipti	cal	Conical	Hernispherica	Fi	at	Side to	Pressuro		Cate	gory A	1
	Bottom, Ends)	Min.	Corr.	Crown		Rati		Apex Angle		Diam		Convex	Concave		Full, Spot, N	lone	Eſ
(a)	TOP	.28"	0"		5.75"	· · ·							Х	S	NONE		
			011	8411	5.75"			** ** **					X	S	NONE		
Type of the MAW	ble, bolts used of jacket , give dimension (P75 (internal	ns	N,	tening) /A /A nal)	psi at max	1	(inter		Jacket closur	0		(Des			d, bav, etc.) Il bolted, des °F at	cribe	or ske
Type of the transfer of the tr	of jacket , give dimension P75 (interna	ns	N/ (externi EXEMI	tening) /A /A nal) PT PER 1	psi at max JHA 51 _ A	AND UC	320 (inter G-20	nal) yos or no a	Jacket closur	°F Mir	n. desig	N∤A (Des	scribe as og		d, bar, etc.) Il bolted, des	cribe	or ske
Type of the type of type o	of jacket, give dimension P	ns NO	(extern	A  A  Nal)  PT PER I  99 HYI  ections.	psi at max JHA-51 A	AND UC	320 (inter G-20 Indicate Proof t	nal) yos or no a est	Jacket closur  (external)  Ind the component  N/A	°F Mir	n. desig	N/A (Des	np. •	20	d, bar, etc.) If bolted, des °F at	75	
Type of If bar, MAW. Impac. Impac. Hydroms 12 c.	of jacket, give dimension of internal ct test, pneu., or co and 13 to be cosheet:	ns	N/ (extern (exsemi	/A  nal)  PT PER I  99 HYI ections.	psi at max  JHA -51 A  DRO  Dia.	AND UC	320 (inter G-20 Indicate Proof t	nal) yes or no a lest press.)	Jacket closur  (external)  Ind the component  N/A  Nom. thk.	°F Min	n. desig	N/A (Des	np. •	20	d, bar, etc.) Il bolted, des	75	
Type of If bar, MAWood Impacts 12 of Impacts	of jacket, give dimension P	ns NO: mb. test prompleted Stationary	N/ (extern (exsemi	/A  nal)  PT PER I  99 HYI ections.	psi at max  JHA -51 A  DRO  Dia.	AND UC	320 (inter G-20 Indicate Proof t	nal) yos or no a est press.)	Jacket closur  (external)  Ind the component  N/A  Nom. thk.	°F Min	n. desig	N/A (Des	np. •	20	d, bar, etc.) If bolted, des °F at	75 ded or	
(b)  Type of If bar, MAW()  Impact. Impact. Hydroms 12 c. Tubes. Flo. 3. Tubes.	of jacket, give dimension of jacket, give dimension of p, give dimension of the state, (internation of the state, or condition of the state graph of the	ns	(extern)  (extern)  ress  for tube s  (Mari Sp	A  A  A  PT PER I  99 HYI  ections.  ec. No.)  Dia	psi at max.  JHA -51 A  DRO  Dia.	, in. (sui	320 (inter 6-20 Indicate Proof to bject to , in.	nal) yes or no a lest press.)	Jacket closur  (external)  Ind the component  N/A  Nom. thk., In.	°F Mir	n. desig	N/A (Des	np. •	20	d, bar, etc.) If bolted, des °F at	75 ded or	bolte
(b)  Type of If bar, MAW.  Impact. Hydroms 12 c. Tubes. Float. Tubes.	of jacket, give dimension of jacket, give dimension of p, give dimension of the state, (internation of the state, or condition of the state graph of the	ns NO: Stationary Spec. No., complete	(externic EXEM) ress for tube s (Mari Sp	A  A  A  A  A  A  A  A  B  A  B  B  B  B	psi at max  JHA-51 A  DRO  Dia.  Jin.  Sof jackete	, in. (sul	320 (inter 3-20 Indicate Proof to bject to	yes or no a lest press.)  Nom. this	Jacket closur  (external)  Ind the component  N/A  Nom. thk.	or gaug	n. desig	N/A (Des	ocribe as og	Attac	d, bar, etc.) If bolted, des F at Chment (welch Attachment	75 ded or	bolte
(b)  Type of If bar, MAW.  Impact. Hydroms 12 c. Tubes. Float. Tubes.	of jacket, give dimension  P	ns NO NO Stationary Sec. No.) Spec. No., complete ourse(s):	(externic EXEM) ress for tube s (Mari Sp	/A  /A  nal)  PT PER I  99 HYI  ections.  ec. No.)  Dia  Type r chambers	psi at max  JHA-51 A  DRO  Dia.  Jin.  Sof jackete	, in. (sul	320 (inter 3-20 Indicate Proof to bject to	nel)  yes or no a lest  press.)  Nom. this annels of he (b) Overal	Jacket closur  (external)  Ind the component  N/A  Nom. thk., In., In., In., In., in.	°F Mir	n. desig	N/A (Des	ow., in.	Attac	d, bar, etc.) If bolted, des F at Chment (welch Attachment	75 75	bolte U)
If bar, MAW If bar, MAW Inpac Impac Impac Introduction 12 a Introduction 12 a Introduction 12 a Introduction 14 a Introd	of jacket  of jacket  give dimension  finerna ct test  on, pneu., or co and 13 to be co sheet:  cating (Mari Sp s:  Mari S - 18 incl. to be  (a) No. of co	ns NO NO Stationary Sec. No.) Spec. No., complete ourse(s):	(externices) (externices) (Mari Sp	/A /A nal) PT PER I ections. ec. No.) Dia Type r chambers	psi at max.  JHA -51 A  DRO  Dia.  Jin.  s of jackete	, in. (sui	320 (inter 3-20 Indicate Proof to bject to	press.)  Nom. the	Jacket closur  (external)  Ind the component  N/A  Nom. thk.,  In.,  Nom. thk., in  at exchangers.  length (ft & in.):	°F Mir	n. desig	N/A (Des	ow., in.	Attac	d, bar, etc.) If bolted, des F at Chment (welch Attachment	75 dded or	bolte U)
If bar, MAW If bar, MAW Impac	of jacket  of jacket  give dimension  finterna ct test  on, pneun, or co and 13 to be co sheet:  Mari S  18 incl. to be  (a) No. of co	ns NO	(externices) (externices) (Mari Sp	/A /A nal) PT PER I ections. ec. No.) Dia Type r chambers	psi at max  JHA -51 A  DRO  Dia.  i., in.  s of jackete	, in. (sui	320 (inter G-20 Indicate Proof to bject to	press.)  Nom. the	Jacket closur  (external)  Ind the component  N/A  Nom. thk., In., In.  Nom. thk., in at exchangers. length (ft & in.):	or Gaug	orr. Alk	N/A (Des	ow., in.	Altace & C) Ell.	d, bar, etc.) If bolted, des *F at  chment (welch Attachment Type (Strain	75 dded or	bolte U)
If bar, MAW If bar, MAW Impac	of jacket  of jacket  give dimension  finterna ct test  on, pneun, or co and 13 to be co sheet:  Mari S  18 incl. to be  (a) No. of co	ns NO	(externices) (externices) (Mari Sp	/A /A nal) PT PER I ections. ec. No.) Dia Type r chambers	psi at max  JHA -51 A  DRO  Dia.  i., in.  s of jackete	, in. (sui	320 (inter G-20 Indicate Proof to bject to	press.)  Nom. the	Jacket closur  (external)  Ind the component  N/A  Nom. thk., In., In.  Nom. thk., in at exchangers. length (ft & in.):	or Gaug	orr. Alk	N/A (Des	ow., in.	Allace & C)	d, bar, etc.) If bolted, des *F at  chment (welch Attachment Type (Strain	75 dded or	bolte U)
Type of If bar, MAW. Impact. Hydrorms 12 of Tubes. Tubes. Tubes. Shell	of jacket  of jacket  give dimension  finterna  ct test  on, pneun, or co and 13 to be co sheet:  Mari S  18 incl. to be  (a) No. of co  Course  Diarmeter, in.	ns	(extern) (ex	vanal)  YA  nal)  PT PER I  99 HYI ections.  ec. No.)  Dia Type r chambers  Ma Spec./Gra	psi at max  JHA51 A  DRO  Dia. , in.  s of jackete  terial ade or Type	O.D. d vesse	320 (inter 3-20 Indicate Proof to bject to bject to character control of the cont	nal)  yes or no a lest  press.)  Nom. this annels of he (b) Overal	Jacket closur  (external)  Ind the component  N/A  Nom. thk., In., In.  Nom. thk., in at exchangers. length (ft & in.):	°F Min (s) Impac	orr. Alk	N/A (Des n metal ten d)  Corr. All ow., In. Nur	ow., in.  nber  (Cat. A, B	& C) Ell.	d, bar, etc.) If bolted, des F at Chment (welch Attachment Type (Strain Heat Temp.	ded or	bolte U)
Type of If bar, MAW.  If bar, MAW.  Impact. Hydrogens 12 of Property 12 of Property 12 of Property 14 of Property 14 of Property 14 of Property 15 of Property 15 of Property 16 of Proper	of jacket  of jacket  give dimension  finterna  ct test  on, pneu., or co and 13 to be co sheet:  Mari S  18 incl. to be  (a) No. of co  Course  Diarneter, in.	ns NO	(extern)  (extern)  ress for tube s  (Mat'l Sp  Grade or d for inne	Ma Spec./Grade o	psi at max  JHA -51 A  DRO  Dia.  i., in.  s of jackete  terial ade or Type	O.D. d vesse		nal)  yos or no a lest  press.)  Nom. thi  annels of he (b) Overal	Jacket closur  (external)  Ind the component  N/A  Nom. thk., Inat exchangers. length (ft & in.):  Long Joint (Cat. A)  Full, Spot, None	or gaug	orr. Allo	N/A (Des n metal ten d)  Corr. All ow., in.  Nur Pircum, Joir pec. No., G	ow., in.  The Cat. A, B Spot, None	& C) Ell.	d, bar, etc.) If bolted, des F at  chment (welch Attachment Type (Strain Heat Temp.	ded or	bolte U)
Type of If bar, MAW of Impact of Imp	of jacket  of jacket  give dimension  finternal  ct test  on, pneu., or co and 13 to be co sheet:  Mart S  18 incl. to be (a) No. of co Course Diameter, in.	ns NO	(extern)  (extern)  ress for tube s  (Mat'l Sp  Grade or d for inne	Ma Spec./Grade o	psi at max  JHA -51 A  DRO  Dia.  ., in s of jackete  terial ade or Type  r Type) H.1	O.D. d vesse  Thice Norm  Ellip		nal)  yes or no a lest  press.)  Nom. thi annels of he (b) Overal	Jacket closur  (external)  Ind the component  N/A  Nom. thk., In.  Nom. thk., in at exchangers. length (ft & in.): Ing Joint (Cat. A)  Full, Spot, None  (b)	or gaug	orr. Allo	N/A (Des	ow., in.  nber  (Cat. A, B Spot, None	8 C) EII.	d, bar, etc.) If bolted, des F at  chment (welch Attachment Type (Strain Heat Temp.	ded or Treat	U) ment Time
Type of If bar, MAWO. Impact 1. Hydrogens 12 a 2. Tubes ems 14 4. Shell No.	of jacket  of jacket  give dimension  finterna  ct test  on, pneu., or co and 13 to be co sheet:  Mari S  18 incl. to be  (a) No. of co  Course  Diarneter, in.	ns NO	(extern)  (extern)  ress for tube s  (Mat'l Sp  Grade or d for inne	Ma Spec./Grade o	psi at max  JHA -51 A  DRO  Dia.  i., in.  s of jackete  terial ade or Type	O.D. d vesse		nal)  yos or no a lest  press.)  Nom. thi  annels of he (b) Overal	Jacket closur  (external)  Ind the component  N/A  Nom. thk., In.  Nom. thk., in at exchangers. length (ft & in.): Ing Joint (Cat. A)  Full, Spot, None  (b)	or gaug	orr. Allo	N/A (Des	ow., in.  The Cat. A, B Spot, None	8 C) EII.	d, bar, etc.) If bolted, des F at  chment (welch Attachment Type (Strain Heat Temp.	ded or Treat	bolte U)

This form may be obtained from The National Board of Boller and Pressure Vessel Inspectors, 1055 Crupper Ave., Columbus., OH 43229

MAWP			na late	nax, temp.	1	Sec	· · · · · · · · · · · · · · · · · · ·	Min, design metal tem	 . P	'F at	. P
· (intornal)		(external)			internal) -	(external)		in doughthous tell		!	. ,
Impact test											
Unidea annu access						no and the comp	∞nent(s) im	pact tested)			
Hydro., pneu., or cor Nozzles, Inspection,			nos:	P	coof test		************				
Purpose (Inlet,		Dlameter	Flange	Mat	erial	Nozzle Th	ickness	Reinforcement	How A	tached	Location
Oudet, Drain, etc.)	No.	or Size	Туре	Nozzle	Flange	Nom.	Corr.	Material	Nozzle	Flange	(Insp. Open.)
YAW	1	20"	CL150S-0	S42110-	SA105	1/4"	0"	SA240-316L	UN16.1(d)F	IG.2-4(3)	SHELL .
CLET, VAPOR	'2	611	CL150L-J	S/3137P	SA105	SCH, 40	011	NONE .	UN16.1(d)	177 .	4.
ET	1	611	CL150L-J	SA313TPL	SA105	SCH.80	011		UN16.1(d)		
ELS, RELIEF	4	. 311	CL150L-J	SASIATE	SA105	SCH.40	011		UV16.1(d)	***	
ET	2	211	CL150L-J	STATE TOLL	SA105	SCH.40	011		U/16.1(d)		
IPERATURE	2	1-1/2"	CL150L-J	5431811 3WL	SA105	SCH.40	011		UV16.1(d)		
SSURE	1	1"	CL150L-J	54318T	SA105	SCH.80	0"	NONE	UW16.1(d)		
upports: Skin	NO			Leg	1.1.2.1.2.1.2	Others			Attached _	WELDED TO	
	(Yes o	5.	(No		(No	•		(Describe)	•	1175	ere and How)
						d Inspectors hav	e been furn	ished for the following	items of the rep	ort:	
List the name of pa	n, nem n	umber, mig s. i	name ano icei	nulying numbe	1)	N/A *¹	2	5			
								1			
lemarks; VESS	EL NOT	DESIGNED	FOR LETH	AL SERVICE	3; VESSEI	L TESTED IN	HORIZO	NTAL POSITION;	SAFETY REL	TEF DEVIC	E IS
RESPONSIBILI						CT-620"			1		
			2						15 5		
1									1B		
		5)		CER	TIFICATE	OF SHOP CO	MPLIANO	E			
						details of desi	gn, materi	al, construction, and	workmanshi	p of this ves	sel conform to
ne ASME Code f	or Pres	sure Vessels	, Section VII	I, Division 1,			5				
Certificate of A	uthoriza	tion No	2831	4		Expires	~~~~	MAY 1	1.	XX _ 2001	
11/2/2		*						1	1/4		
Date 4/3/0	<u>0</u>	Name	BEND	EL CORPOR	ATION		-	Signed/	Mm		
					anulacturer				(Repr	esentative)	
A Part of the Control						OF SHOP IN		(97)			
						oard of Boiler	and Pressi	ure Vessel Inspector			
and employed by	-	CTORY MUT				/-3 .19			JOHNSTON,		nave inspected
he pressure ves								, and state that, to			
		100						ision 1. By signing th Manufacturer's Data F			
	·	The state of the s						of any kind arising fro	CONTRACTOR OF STREET	AND DESCRIPTION OF THE PARTY OF	
						N 17				(5)	
Date 4-3	-111	Sinned	9.11	8 11	11.	الهرودارد .	Commiss	ions NB946	C.A. W	0 10 11	<b>\</b>
		Oigirea	1.000	Autho	rized Inspe	ector)	Oommiss	(Nat'l Board incl.	ondercomen	t State Pro	vince and No )
				The state of the state of the state of		ELD ASSEMB	LY COMP		·	i, oldio, i io	Timos and Holy
We certify that the	e statem	ents on this r	eport are cor					parts of this vessel	conforms with	the requirer	nents of ASME
Code, Section VI											
J Certificate of A						Expires				19	•
	:				-					192	
Date		Name						Signed			
				(/	\ssembler)	)			. (Repr	esentative)	
	*		***********		CONTRACTOR AND ADDRESS OF THE PARTY.	IELD ASSEM	BLY INSP	ECTION			
, the undersigne	d, holdi	ng a valid ∞	mmission is:	sued by The	National B	oard of Boiler	and Press	ure Vessel Inspecto	rs and the St	ate or Provin	nce of
and employed by	/							of			
have compared	the sta	tements in t	his Manufac	clurer's Data	Report w	ith the descri	bed press	ure vessel and stat	te that parts	referred to	as data Items
			, n	ot included in	n the certifi	cate of shop in	spection, l	nave been inspected	by me and to	the best of	my knowledge
and belief, the Ma	anulacti	ırer has cons	tructed and	assembled th	nis pressure	e vessel in a∞c	ordance wi	th ASME Code, Sect	ion VIII, Divis	ion 1. The de	escribed vessel
was inspected a	nd subje	ected to a hy	drostatic tes	t of	psi. E	By signing this	certificate	neither the Inspecto	r nor his emp	loyer makes	s any warranty,
								ort. Furthermore, nei			
								rom or connected wi			
				ŧ			_			· · · · ·	¥*
Date		Signed				***************************************	Commiss			zatozwa dresusu	
				(Autho	orized Insp	ector)		(Nat'l Board Incl.	endorsemer	t, State, Pro	vinco and No.)