1. Manu	factured and ce	rtified	by GL&V/S	SANDY HILL IN	NC., 27 ALLEN S	STREET, HUD			W YORK 12839			
2 . <i>i</i>	factured for V	Vausa	u Paper Mills	Co., Brokaw	Div., Second S	t.,, Brokaw,, \	NI 54417	7	of manufacturer)			
3. Locat	ion of installatio	n <u>Wa</u>	usau Paper N	∕lills Co. , Brok	aw Div., Secon	Na nd St.,, Brokaw	ame and add	417	•			
4. Type	Horiz (Horiz. or	ontal		8695-20409-2			NA	e and addr	131D00	740 Rev1	6710	1999
5. The VES	chemical and	phys	ical propert	(Mfg's ser ies of all pa ruction, and v	arts meet the	requirements	(CRN) of ma Rules,	terial s Sectior	Draw pecifications of VIII, Division	ving no.) the ASME B0 1	1995	RESSURÈ '
to _		1997		_	NA NA					NA	Year	•
6 Ch-II.		nda (Dai			Code Case Nos.				Spi	ecial Service per UG	120(d)	
6. Shell:	Mat'l.	(Spec.	CL. 40 No., Grade)		1.31" Nom. Thk. (in.)		NA Corr. Allov			57.31" Diam. I.D. (ft. & in.)		152.00" gth (overall) (ft. & in.)
7. Seam	ıs: Sean	nless		NA	100	NA	NA		Seamless	NA	Cell	gui (overail) (it. a. in.)
	Long. (Wel Sngl., La	ded, Db	l., R.T. (f.T. Temp (F)	Time (Girth (welded, Dbl., Sngl., Lap, Butt)		Partial,	No. of Courses
8. Heads	s: (a) Matl.	, D D C C C C		SA278	CL.40		(b) l	Matl.	Silgi., cap, bull)		7 8 CL.40	
_				(Spec No.,	Grade)						o., Grade)	
	Location (Top, Bottom, Ends)		inimum ickness	Corrosion Allowance	Crown Radius	Knuckle Radius	1	otical	Conical	Hemispherical	Flat	Side to Pressure
(a)	End		2.25"	NA	52.00"	NA		atio VA	Apex Angle NA	Radius NA	Diameter NA	(Convex or Concave) Convex
(b)	End	:	2.25"	NA	52.00"	NA		۱A	NA NA	NA	NA NA	Convex
lfr	emovable, bolts	used	(describe oth	ner fastenings)		<u> </u>	S.	A-193-B	7, 1.00 "- 8 x 3.75	" long, 45 each e	end.	, , , , , , , , , , , , , , , , , , , ,
9. MAW	D			150					(Matl., Spec. No., G			
	design metal ter	mn	3:	150	°Fat 0		ax. temp.			450		° F
	zles, inspection	٠.			ral	psi.	ıyaro., #	मार ख.,	oro dombi test pr	essure	300	psi.
	Purpose		Diam.				T	Nom.	Reir	forcement	How	
	Outlet, Drain) let/Outlet	No.	or Size 3.50"	Type Core		Mat'l. 278 CL.40	-	Thk. NA		Mat'l.	Attached	Location
	Manway	1	10" x 16"	Core		278 CL.40		1.38"		NA NA	Integral	Thru Journal
-	Drain	1	.75"	NPT	- OA E	NA		NA		NA	Integral Drilled	Thru Crown Thru Flange
											Dilleu	Tiliu i lange
11. Sup	ports: Skirt	(<u></u>	No	Lugs	NA Legs	NA	Other		NA	Attacl	ned Si	ee Remarks
	-		(Yes or no)		(No.)	(No.)	_		(Describe)		(W	here and how)
None	iarks: Manufac	turers	Partial Data	Reports prope	rly identified and	d signed by Co	mmissior	ied Insp	ectors have bee	n fumished for th	e following items	s of this report:
					(Name of par	rt, item number, Mfg	gr's name ar	nd identifyi	ng stamp)			
UG125	Over pr	essu	re prote	ection pr	ovided els	se where	in sys	tem.	Impact ex	emptions,S	A 278	
GL & V		ing. Hi	INC	-66(e).in Job #C981	ner Manway 622	y or hand	hole d	over	s Per UG11	(a)(1),UCS	-66.	
	, 0,1101 11		1110.,	700 110001								
We c	ertify that the	staten	nente made	in this report	CERT	IFICATE OF S	SHOP CO	MPLIA	NCE	مسالسين لتمم متما		vessel, conform to
the AS	SME Code for P	ressu	re Vessels, S	ection VIII, Div	/ision 1. "U" Ce	rtificate of Auth	is oi desi iorization	yıı, mai No.	tenai, construct 792	expires	ansnip of this v 3 <i>k3</i> 10	vesser conform to 2000 .
Date	2-25-99	· C	n Name	-	GL&V	/ SANDY HILL	INC			Signed	1 Ph U	
	0 0-0 11					(Manufacturer)				Signed	(Representa	ative)
Vocco	l constructed by					FIFICATE OF	SHOP IN	ISPECT				
			a valid co	mmission iss	GL&V / SANDY sued by The N	HILL INC. Iational Board	of Boile	r and f	at Pressure Vesse	HUDSON FA	ALLS, NEW YOR	RK 12839 .
			ployed by			HSB I&I Co.				Hartford		have inspected
	mponent descri	bed in	this Manufa		Report on	2/15	•		1999 and s	tate that, to the b	est of my knowl	edge and belief, the
Manuf	acturer has co	onstru	cted this pre	ssure vessel	in accordance v	vith ASME Cod	e, Sectio	n VIII. C	ivision 1. By	signing this certif	icate neither the	Inspector nor his
nor his	yer makes any s employer shal	/ wan I be lia	anty, expres	ised or implied anner for Ann√r	, concerning the persopal injury o	e pressure vess or property dam	el descri age or a	bed in th	ns Manufacturer	's Data Report. rom or connecte	Furthermore, ne	either the Inspector
	2/25/99	•	igned	1/1/69	1/1/2	- Francis				B 10961 A	NVS 6164	
	-1-0111	o	ngneu	1/114	Authorized Inspe	ector)		Con	imissions <u>/</u> V	(Nat'l Board (incl.	endorsements) State	, Prov. and No.)

1. Manu	factured and ce	rtified	by GL&V /	SANDY HILL IN	IC., 27 ALLEN S	STREET, HUD)		
2. N	actured for V	Vausa	u Paper Mill	s Co. , Brokaw	Div., Second S	t.,, Brokaw,, \	Wi 544 [.]	17	s of manufacturer)			
3. Local	tion of installatio	n Wa	usau Paper	Mills Co. , Brok	aw Div., Secon		v., WI :	iddress of pu 54417	,			
4. Type				8694-20408-2	-		(Na NA	me and add)740 Rev1	6709	1999
	(Horiz, ar v	vert. tar	rik)	(Mfa's ser	ial No.)	requirements	(CRN)	natorial a	(Dray	ving no)	(Nat'l Bd. No	(Vear built)
VES	SSEL CODE. T	he d	esign, cons	truction, and w	orkmanship co	nform to ASM	E Rules	iateriar s s. Section	n VIII. Division	the Asme E	OILER AND 1	
			•	,	•			,	,	-	Year	
to .	Adder	1997 nda (Da	te)		NA Code Case Nos.				Sp	NA ecial Service per UG	i 120(d)	
6. Shell	: S	A 278	CL. 40		1.31"			Α	,	57.31"		152.00"
			No., Grade)		Nom. Thk. (in.)		Corr. All			Diam. I.D. (ft. & in.)		ngth (overall) (ft. & in.)
7. Sean	ns: Sean Long. (Wel		i RT	(Spot or Full)	100 Eff. (%)	NA I.T. Temp (F)		A e (hr)	Seamless Girth (welded, Dbl.,	NA R.T. (Spot,		No. of Courses
	Sngl., La		, , , , , , , , , , , , , , , , , , , ,			romp (r /		. ,	Sngl., Lap, Butt)	or Fu		No. of Courses
8. Head	ls: (a) Matl			SA278 (Spec No.,			(b) Matl			78 CL.40 No., Grade)	
	Location (Top,		inimum	Corrosion	Crown	Knuckle		lliptical	Conical	Hemispherical	Flat	Side to Pressure
(2)	Bottom, Ends) End		nickness 2.25"	Allowance	Radius	Radius		Ratio	Apex Angle	Radius	Diameter	(Convex or Concave)
(a)	End	+		NA NA	52.00"	NA NA		NA	NA NA	NA NA	NA NA	Convex
(b)			2.25"	NA	52.00"	NA		NA	NA NA	NA NA	NA	Convex
11	removable, bolts	usec	i (describe o	tner tastenings)				SA-193-B	37, 1.00"-8 x 3.75 (Matl., Spec. No., G		end.	
9. MAV	/P			150		psi at m	ax. tem	p.		450		°F
	design metal ter	•			Fat 0	psi. I	Hydro.,	ipinau .,	oro###########test.pr	essure	300	psi.
10. Noz	zles, inspection	and s		openings:	_							
L'	Purpose Outlet, Drain)	No.	Diam. or Size	Туре		Mat'l.		Nom. Thk.	Reii	nforcement Mat'l.	How Attached	Location
	.iet/Outlet	1	3.50"	Core	SA 2	278 CL.40		NA		NA	Integral	Thru Journal
	Manway	1	10" x 16"	Core	SA 2	278 CL.40		1.38"		NA	Integral	Thru Crown
	Drain	1	.75"	NPT		NA		NA		NA	Drilled	Thru Flange
11. Sup	ports: Skirt		No	Lugs	NA Legs	NA	Othe	er	NA	Atta	ched S	See Remarks
12 Rer	narks: Manufac		(Yes or no) Partial Dat	a Renorts prope	(No.)	(No.)	mmieei	aned Incr	(Describe)	on furnished for t	the following item	Where and how)
None	namo: manarao	·uioi ·	or artial Date	а перопа ргоро						ii iuliiisileu iul i	me following item	is of this report.
HG12	5, Over pr	000	uro prof	oction nr	(Name of pa	rt, item number, Mf	gr's name	and identify	ing stamp)		CA 070	· · · · · · · · · · · · · · · · · · ·
	1&23. Bolt											
	/ SANDY H			Job #C981		,		30101	0 1 01 0011	(4)(1),00		
					CERT	IFICATE OF	SHOP (OMPLIA	VNCE			
We d	ertify that the	stater	nents made	in this report	are correct ar	nd that all deta	ils of de	sign, ma	iterial, construct	ion, and workn	nanship of this	vessel conform to
1	SME Code for P		re Vessels,	Section VIII, Div	ision 1. "U" Ce	rtificate of Aut	horizatio	on No	792	expires	3/3/	2000
Date	2-25-99	<u> </u>	o. Name		GL&V	/ SANDY HILL	. INC.			Signed	JPW.	\mathcal{L}
	· · · · · · · · · · · · · · · · · · ·				CEDI	(Manufacturer) IFICATE OF	CHOD	INCDEC	TION		/ (Represen	tative
	el constructed b			₹į (GL&V / SANDY	HILL INC.			at	HUDSON I	FALLS, NEW YO	DRK 12839
I, the	undersigned,	holdin	g a valid o	commission iss	sued by The N	lational Board	of Bo	iler and	Pressure Vess	el Inspectors	and the State	or Province of
	N.Y. a	ınd er	nployed by		<u>_</u>	HSB I&I Co.				Hartfo	rd, CT.	have inspected
	omponent descri					. 25			1999 and s	state that, to the	best of my know	ledge and belief, the
emplo	macturer nas co over makes an	onstru V war	cted this pi rantv expre	ressure vessel essed or implied	In accordance v	with ASME Coo	de, Sect sel desc	tion VIII, [tribed in t	Division 1. By his Manufacture	signing this cert	tificate neither th	e Inspector nor his either the Inspector
nor h	is employer shall	l be li	able in any r	nanner for any	personal injury o	of property dam	nage or	a loss of a	any kind arising	from or connect	ed with this inspe	ection.
1	2/25/99		Signed	[/	lot 11/m				-		VVS 5054	
	7/0/1/	`		<i>V'</i>	(Authorized Inspe	ector)			mmissions/	(Nat'l Board (inc	I. endorsements) Star	te, Prov. and No.)

						The Contract of the Contract o					
1. Man	ufactured and ce	ertified b	y GL&V/SA	ANDY HILL IN	NC., 27 ALLEN S	STREET, HUD		EW YORK 1283	9	The state of the s	
2. 1.	₄factured for \	Vausau	Paper Mills (Co. , Brokaw	Div., Second S	t.,, Brokaw,, V	VI 54417	ss of manufacturer)			
	ation of installation				•	(Na	ume and address of y,, WI 54417	,			-
4. Type		ontal		8686-20327-2			(Name and ad NA	131D0	0733 Rev2	6708	1999
5. The VE	(Horiz. or chemical and SSEL CODE.	physi	cal propertie	(Mfg's ser s of all pa ction, and v	arts meet the	requirements	(CRN) of material E Rules, Section	Dra specifications of on VIII, Division	wing no.) f the ASME B 1	(Nat'l Bd. No OILER AND F 1995	PRESSURE
to		1997			NA				NA.	Year	
		nda (Date			Code Case Nos.			S	pecial Service per UG	120(d)	
6. Shel	I: S	SA 278 (Spec. N	CL. 40 lo., Grade)		1.00" Nom. Thk. (in.)		NA Corr. Allow. (in.)		45.86" Diam. I.D. (ft. & in.)	l or	151.50" ngth (overall) (ft. & in.)
7. Seai	ms: Sear	nless	Į.	NA	100	NA	NA	Seamless	NA		1
	Long. (We	lded, Dbl. sp, Butt)	, R.T. (Sp	oot or Full)	Eff. (%) H	.T. Temp (F)	Time (hr)	Girth (welded, Dbl. Sngl., Lap, Butt)		Partial,	No. of Courses
8. Hea	ds: (a) Matl.			SA278 (Spec No.		/	(b) Matl.	Silgi., Lap, Butty	SA2	78 CL.40 No., Grade)	
	Location (Top,		1	Corrosion	Crown	Knuckle	Elliptical	Conical	Hemispherical	Flat	Side to Pressure
	Bottom, Ends)			Allowance	Radius	Radius	Ratio	Apex Angle	Radius	Diameter	(Convex or Concave)
(a)	End	-+	.12"	NA	38.00"	NA	NA NA	NA NA	NA	NA	Convex
(b)	End		.12"	NA	38.00"	NA	NA NA	NA NA	NA	NA NA	Convex
IT	removable, bolt	s used	(describe othe	er tastenings)			SA-193-	B7, 1.00"-8 x 3.7 (Matt., Spec. No., 6		end.	
9. MAV	VP			150		psi at m	ax. temp.	, , , ,	450		°F
Min.	design metal te	mp.	32		°Fat 0	psi. H	lydro., ######.,	orc######testp	ressure	300	psi.
10. No	zzles, inspectior	and sa		enings:							
<u>_</u> .	Purpose Outlet, Drain)	No.	Diam. or Size	Туре		Mat'l.	Nom. Thk.	Rei	nforcement Mat'l.	How Attached	Location
	.ilet/Outlet	1	3.50"	Core	SA 2	78 CL.40	NA		NA	Integral	Thru Journal
	Manway	1	10" x 16"	Core	SA 2	78 CL.40	1.25"		NA	Integral	Thru Crown
	Drain	1	.75"	NPT		NA	NA		NA	Drilled	Thru Flange
11. Su	pports: Skirt _	-	No	Lugs	NA Legs	NA NA	Other	NA	Attac		ee Remarks
12. Re	marks: Manufac		Yes or no) Partial Data F	Reports prope	(No.) erly identified and	(No.)	mmissioned Ins	(Describe) pectors have be	en furnished for t		Where and how)
None			· artial Bata i	topoito propo					on turnshed for t	ne tollowing item	is of this report.
UG12	5 Over no	. 6 6 6 11	re prote	ction nr			gr's name and identi	ying stamp) Impacte:	vomntions S	CA 279	
								rs Per UG1			
	/ SANDY H			ob #C981		·			. (/ (/) = -		
		Ξ.			CERT	IFICATE OF S	SHOP COMPL	ANCE			
We	certify that the	statem	ents made i	n this report	are correct ar	nd that all detai	ils of design, m		tion, and workm	nanship of this	vessel conform to
the A	ASME Code for F	ressur	e Vessels, Se	ction VIII, Di	vision 1. "U" Ce	rtificate of Auth	norization No.	792	expires	10/1/30	2000
Date	2-25-9	9 Co	o. Name		GL&V	/ SANDY HILL	INC.		Signed	Truck	1
					CERT	(Manufacturer)	SHOP INSPEC	TION		(Represent	(ative)
	sel constructed b			4,	GL&V / SANDY	HILL INC.		at	HUDSON F	ALLS, NEW YO	RK 12839 .
I, th				nmission is			of Boiler and	Pressure Vess			or Province of
41			ployed by			HSB I&I Co.			Hartfor	· · · · · · · · · · · · · · · · · · ·	have inspected
Man emp	loyer makes an	onstruc y warr	ted this pres	sure vessel sed or implied	in accordance v	e pressure vess	sel described in	Division 1. By	signing this cert er's Data Report.	ificate neither the Furthermore, n	ledge and belief, the e Inspector nor his either the Inspector ection.
	2/25/99)	igned	Ma	(Authorized Inspe			ommissions Λ	B19961A 1	NVS 5054 . endorsements) Stat	

1. Man	ufactured and ce	rtified	by GL&V/S	ANDY HILL IN	IC., 27 ALLEN S	STREET, HUD		W YORK 12839			
2 . ı.	.iactured for V	Vausa	u Paper Mills	Co., Brokaw	Div., Second S	t.,, Brokaw,, \	(Name and address WI 54417 ame and address of p	,			
3. Loca	ation of installatio	n <u>Wa</u>	usau Paper M	lills Co. , Brok	aw Div., Secon	d St.,, Brokav	v., WI 54417	·			
4. Type		ontal		8688-20329-2			(Name and add	,	733 Rev2	6707	1999
5. The	(Horiz. or chemical and	vert. tan phys	ik) sical propertie	Mfg's series of all pa	al No.) arts meet the	requirements	(CRN) of material		ving no \	(Nat'l Bd. No	Vece built
VE:	SSEL CODE. 1	The de	esign, constr	uction, and w	orkmanship co	nform to ASMI	E Rules, Sectio	n VIII, Division	1	1995	
to		1997			NA				NA	Year	
6. Shel		nda (Dai	te) CL. 40		Code Case Nos. 1.00"		NIA	Sp	ecial Service per UG	120(d)	
U. SHE			No., Grade)		Nom. Thk. (in.)		NA Corr. Allow. (in.)		45.86" Diam. I.D. (ft. & in.)	Ler	151.50" ogth (overall) (ft. & in.)
7. Sear		nless		NA	100	NA	NA	Seamless	NA		1
	Long. (Wel Sngl., La			pot or Full)	Eff. (%) H	.Т. Тетр (F)	Time (hr)	Girth (welded, Dbl., Sngl., Lap, Butt)	R.T. (Spot, or Ful		No. of Courses
8. Hea	ds: (a) Matl.			SA278 (Spec No.,			(b) Matl			78 CL.40	
	Location (Top,	M	inimum	Corrosion	Crown	Knuckle	Elliptical	Conical	Hemispherical	Flat	Side to Pressure
	Bottom, Ends)	T		Allowance	Radius	Radius	Ratio	Apex Angle	Radius	Diameter	(Convex or Concave)
(a)	End	+	2.12"	NA	38.00"	NA NA	NA	NA	NA	NA	Convex
(b)	End bolto		2.12"	NA NA	38.00"	NA	NA NA	NA	NA	NA .	Convex
11	removable, bolts	usea	(describe of	er tastenings)			SA-193-E	B7, 1.00"-8 x 3.75 (Matl., Spec. No., G		end.	
9. MAV	VP			150		psi at m	ax. temp.		450		°F
	design metal ter	•	32		Fat 0	psi.	lydro., # p### .,	ord####################################	essure	300	psi.
10. No:	zzles, inspection Purpose	and s	afety valve op Diam.	enings:	1		Nom.	Poir	forcement	Пон	
	Outlet, Drain)	No.	or Size	Туре		Mat'l.	Thk.	i	Mat'l.	How Attached	Location
-	.ilet/Outlet	1	3.50"	Core	<u> </u>	78 CL.40	NA NA		NA	Integral	Thru Journal
	Manway	1	10" x 16"	Core	 	78 CL.40	1.25"		NA	Integral	Thru Crown
-	Drain	1	.75"	NPT		NA	NA NA		NA	Drilled	Thru Flange
11 0	nnorto, Clrist	<u> </u>		1	<u> </u>						
11. Su	pports: Skirt		No (Yes or no)	Lugs	NA Legs	NA (No.)	Other	NA (Describe)	Attac		ee Remarks /here and how)
		turer's	Partial Data I	Reports prope	rly identified and	d signed by Co	mmissioned Insp	pectors have bee	n fumished for th	ne following item	s of this report:
None					(Name of par	t, item number. Mf	gr's name and identify	ring stamo)			
UG12	5, Over pr	essu	ire prote	ction pr	ovided els	se where	in system.	Impact ex	emptions,S	SA 278	
GL&V	1&23. Bolt / SANDY H	ing.	fig. UCS-	66(e).In ob #C981	ner Manway	or hand	hole cover	s Per UG11	(a)(1),UCS	6-66.	
<u>OLUV</u>	, OANDI II	166	1110., 3	00 #0901							
We	certify that the	staten	nents made i	in this report	CERTI	IFICATE OF S	SHOP COMPLIA	ANCE	ion and workm	anchin of thic	vessel conform to
the A	SME Code for P	ressu	re Vessels, Se	ection VIII, Div	rision 1. "U" Ce	rtificate of Auth	norization No.	792	expires	3/30	
Date	2-25-99	<u>/</u> c	o. Name		GL&V	/ SANDY HILL	INC.		Signed	AND	
					CERT	(Manufacturer)	SHOP INSPEC	TION		(Represent	ative)
	el constructed b			ių (SL&V / SANDY !	HILL INC.		at	HUDSON F	ALLS, NEW YO	RK 12839 .
I, the				nmission iss			of Boiler and	Pressure Vesse	•		
the c	omponent descr		nployed by	turada Data D		1SB 1&1 Co. 2/25		1200	Hartford		have inspected
Manı	ufacturer has co	onstru	cted this pres	ssure vessel i	in accordance w	ith ASME Coo	le. Section VIII. [Division 1 By	signing this certi	ficate neither the	edge and belief, the Inspector nor his
empl	oyer makes an	y wan	ranty, express	sed or implied	, conceming the	pressure vess	sel described in t	his Manufacturer	's Data Report.	Furthermore, no	either the Inspector
I IIOI II	1/15/09	4		inner for any c	a. A had	property dam		any kind arising f			ction.
L	40/11	S	Signed		(Authorized/inspe) ector)	Coi	mmissions NE	Nat'l Board (incl	5 5054 endorsements) State	Prov. and No \
								-	(maci source finos	CGOTOCHICHICA) OLAC	, 1 104. unu 140.)

1. Manu	factured and ce	rtified by GL&	V / SANDY HILL I	NC., 27 ALLEN	STREET, HUD	SON FALLS, NE	W YORK 12839			
2. 1.	actured for V	/ausau Paper	Mills Co. , Brokaw	Div., Second S	St.,, Brokaw,, \	(Name and address WI 54417 ame and address of p				
3. Locati	ion of installation	n <u>Wausau Pa</u>	per Mills Co., Bro	kaw Div., Secor	nd St.,, Brokav	v,, WI 54417	,			
4. Type	Horiz	ontal	8684-20339- (Mfg's se	20368		(Name and add NA	131D00	733 Rev2	6706	1999
5. The VES	chemical and	physical pro	(Mfg's se perties of all p onstruction, and	arts meet the	requirements	(CRN) of material s E Rules, Sectio	specifications of	ving no.) the ASME BC 1	1995) (Year built) RESSURE
to _	Adder	1997		NA				NA	Year	
e chall	Adder	da (Date) A 278 CL. 40		Code Case Nos. 1.00"		NIA	Spi	ecial Service per UG 1	120(d)	
6. Shell:	Mat'l.	(Spec. No., Grade)	Nom. Thk. (in.)		NA Corr. Allow. (in.)		45.86" Diam. I.D. (ft. & in.)	len	151.50" gth (overall) (ft. & in.)
7. Seam			, NA	100	NA	NA NA	Seamless	NA	Con	1
	Long. (Wel Sngl., La	ded, Dbl., p, Butt)	R.T. (Spot or Full)	Eff. (%)	I.T. Temp (F)	Time (hr)	Girth (welded, Dbl., Sngl., Lap, Butt)		Partial,	No. of Courses
8. Heads	s: (a) Matl.		SA278 (Spec No	CL.40 ., Grade)		(b) Matl		SA27	8 CL.40 o., Grade)	
	Location (Top,	Minimum	Corrosion	Crown	Knuckle	Elliptical	Conical	Hemispherical	Flat	Side to Pressure
(2)	Bottom, Ends) End	Thickness 2.12"	Allowance NA	Radius 38.00"	Radius	Ratio	Apex Angle	Radius	Diameter	(Convex or Concave)
(a) (b)	End	2.12"	NA NA	38.00"	NA NA	NA NA	NA NA	NA NA	NA NA	Convex
		<u>'</u>	e other fastenings		I IVA	<u> </u>		5" long 36 each e	NA and	Convex
	omovabio, bono	doca (desemb	e other lasternings			OA-133-L	(Matl., Spec. No., G		iiiu.	
9. MAW	P		150		psi at m	ax. temp.	··	450		°F
	design metal ter	·		°Fat 0	psi.	lydro., #prieve.,	or dualint test pr	essure	300	psi.
	zles, inspection Purpose	and safety val				Nom.	Reir	nforcement	How	
	Outlet, Drain)	No. or Si	ze Type		Mat'l.	Thk.		Mat'l.	Attached	Location
	iet/Outlet	1 3.50			278 CL.40	NA NA		NA	Integral	Thru Journal
i	Manway	1 10" x		SA 2	278 CL.40	1.25"		NA	Integral	Thru Crown
	Drain	1 .75	" NPT		NA	NA NA		NA	Drilled	Thru Flange
11. Sup	ports: Skirt	No	Lugs	NA Legs	NA	Other	NA NA	Attach	ned Se	ee Remarks
12 Rem	narks: Manufac	(Yes or no)	Data Reports prop	(No.) erly identified an	(No.)	mmissioned Incr	(Describe)		(W	here and how)
None	and Manada	taror 3 r artiar t	Jata Nopolia prop					ii iumisneu ior in	e ioliowing items	s or this report.
UG125	Overnr	essure nr	otection p	(Name of pa	irt, item number, Mf	gr's name and identify	ing stamp)	omntions S	A 270	
			JCS-66(e). I							
	/ SANDY H							. , , , , , ,		
		- :	, , , , ,	CERT	IFICATE OF	SHOP COMPLIA	ANCE			
We c	ertify that the SME Code for P	statements m ressure Vesse	ade in this repor ls, Section VIII, D	t are correct a	nd that all deta	ils of design, ma	iterial, construct	ion, and workma expires	anship of this \ \B/30_	vessel conform to 2000 .
Date	2-25-99	Co. Name		GL&V	/ SANDY HILL	. INC.		Signed	Pali	1
				CED.	(Manufacturer)	SHOP INSPEC	TION		(Representa	ative)
	el constructed by		d commission is	GL&V / SANDY	HILL INC.		at	HUDSON F	ALLS, NEW YOR	RK 12839 .
',		nd employed b			HSB I&I Co.	or boiler and	i iossuic Vessi	Hartford		have inspected
the co	mponent descri	bed in this Ma	nufacturer's Data		1/25		<i>1999</i> and s			edge and belief, the
Manuf emplo	facturer has co yer makes any	onstructed this warranty, ex	pressure vesse	in accordance of	with ASME Coo	de, Section VIII, I sel described in t	Division 1. By his Manufacture	signing this certif r's Data Report.	icate neither the Furthermore, ne	Inspector nor his
L	2/25/9	Signed	[/1/4	Authorized Insp			mmissions <u>///</u>	31096/ A NY	5 5054 endorsements) State	
					= = : - '/.			traci podia filici.	orgonoments) state	, 1 10V. and INU.)

 Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839 2.1 Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw., WI 54417 (Name and address of purchaser) 3. Location of installation Wausau Paper Mills Co., Brokaw Div., Second St.,, Brokaw,, WI 54417 8680-20346-20377 Horizontal NA 131D00733 Rev2 1999 (Horiz, or vert, tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No. (Year built 5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 1997 NA NA Addenda (Date) Code Case Nos. Special Service per UG 120(d) 6. Shell: SA 278 CL, 40 1.00" NA 45.86" 151.50" Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Diam. I.D. (ft. & in.) Corr. Allow. (in.) Length (overall) (ft. & in.) 7. Seams: Seamless NA 100 NA Seamless Long. (Welded, Dbl., R.T. (Spot or Full) H.T. Temp (F Girth (welded, Dbl. R.T. (Spot, Partial ime (hr) No. of Courses Sngl., Lap, Butt) Snol., Lap. Butt) or Full) 8. Heads: (a) Matl. SA278 CL.40 (b) Matl. SA278 CL.40 (Spec No., Grade) (Spec No., Grade) Location (Top, Minimum Corrosion Crown Knuckle Elliptical Conical Hemispherical Side to Pressure Bottom, Ends) Thickness Allowance Radius Ratio Radius Apex Angle Radius Diameter (Convex or Concave) (a) 38.00" End 2.12" NA NA NA NA NA NA Convex (b) End 2.12" NA 38.00" NΔ NA NA NA NA Convex If removable, bolts used (describe other fastenings) SA-193-B7, 1.00"-8 x 3.75" long 36 each end. (Matl., Spec. No., Gr., Size, No.) 9. MAWP 150 psi at max, temp. 450 Min. design metal temp. 300 psi. Hydro., ######., or distribit test pressure psi. 10. Nozzles, inspection and safety valve openings: Purpose How Diam Reinforcement Nom Outlet, Drain) No or Size Type Mat'l. Attached Location Thk Matil .ilet/Outlet 1 3.50" SA 278 CL.40 NA Core NA Integral Thru Journal 1 10" x 16" SA 278 CL.40 1.25" Manway Core NA Integral Thru Crown Drain 1 .75" NPT NA Drilled Thru Flange NA 11. Supports: Skirt Other See Remarks Lugs Legs Attached (Yes or no) (No.) (No.) (Describe) (Where and how) 12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report: None (Name of part, item number, Mfgr's name and identifying stamp) UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278 UCI-1&23. Bolting.fig.UCS-66(e).Inner Manway or handhole covers Per UG11(a)(1),UCS-66. GL&V / SANDY HILL INC.. Job #C981622 CERTIFICATE OF SHOP COMPLIANCE We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASMÉ Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. expires 2000 Date 2-23-99 Co. Name GL&V / SANDY HILL INC. (Manufacturer) CERTIFICATE OF SHOP INSPECTION Vessel constructed by GL&V / SANDY HILL INC HUDSON FALLS, NEW YORK 12839 at I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of HSB I&I Co. and employed by Hartford, CT. the component described in this Manufacturer's Data Report on and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII. Division 1. 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. Commissions NB 10961 A NVS 5054
(Nat'l Board (incl. endorsements) State, Prov. and No.) uthorized Inspector)

2. h actured for	1. Manu	factured and ce	rtified	by GL&V/S/	ANDY HILL IN	C., 27 ALLEN	STREET, HUD		EW YORK 12839			
Figure Horizontal 8885-20333-20353 NA 131000733 Rev2 6704 1999	2. Nic .	actured for <u>V</u>	Vausa	u Paper Mills	Co., Brokaw [Div., Second S		Wi 54417	,			
4. Type Horizontal S665-0333-20355 NA 131000733 Rev2 6704 1999 6. Protection of the ASME (CRM)	3. Locat	ion of installatio	n <u>Wa</u>	usau Paper M	ills Co. , Broka	aw Div., Secor	nd St.,, Brokav		ldress)			
5. The chemical and physical properties of all pasts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 193 NA NA Special Swares per Un 178(3) 8. Shelt: NA 278 CL 40 1.00° NA NA Searnless NA 100 NA NA Searnless NA 100 SAZ78 CL 40 SAZ78 CL 40 SAZ78 CL 40 SAZ78 CL 40 SEEN NG 05991 Searnless NA 100 NA Searnless NA 100 NA Searnless NA 100 NA Searnless NA 100 NA Searnless NA 100 SAZ78 CL 40 SEEN NG 05991 Searnless NA 100 SAZ78 CL 40 SEEN NG 05991 Searnless NA 100 SEEN NG 05991 Searn	4. Type							NA	131D00			
to 1997 NA Corona (Deep Land) Code Data Net. 6. Shell: SA 278 CL 40 1.00" NA NA Seamles No. 1515.50" Mart (Spec No. Good) No. 10.00" NA NA Seamles No. 10.00" NA NA Seamles NA 100 NA NA SA278 CL 40 (b) Matt. Seamles NA 100 NA NA Seamles NA 100 NA NA Seamles NA 100 NA	5. The						requirements		specifications of	ving no.) the ASME B	(Nat'l Bd. No OILER AND F	i.) (Year built) PRESSURE
to 1997 NA Secretary Description of the service of											1995	
Schell SA278 CL 40	to		1997			NA				NA	Year	
Mart Specific No. Grister) Nom. This No. No. No. No. No. No. No. No. No. Seamless No. 100 NA NA Seamless NA NA NA NA NA NA NA NA	-					Code Case Nos.			Spi	ecial Service per UG	120(d)	
7. Seamless NA 100 NA NA Seamless NA 1 Seaml	6. Shell:	S Mat'l	A 278	No. Grade)								
Segl. Las, Butt) Segl. Las, Butt, Segl. Las, Seg	7. Seam				NA	` '	NA	` '				1
8. Heads; (a) Matl. SAZ78 CL.40 (b) Matl. SAZ78 CL.40 (c) End Cartin (Top, Minimum Corrasion Corwin Knuckle Elliptical Conical Radius Plate Radi		Long. (Wel		ol., R.T. (S	pot or Full)	Eff. (%)	I.T. Temp (F)	Time (hr)		R.T. (Spot,	Partial,	No. of Courses
Coation (Top, Minimum Cornsion Cown Knuckle Elliptical Concal Hemisphercial Flat Side to Pressure State (No. Fine) Concar Radius	8. Heads	•	p , Duit,		SA278	CL.40		(b) Matl.	Oligi., cap, butty		,	
Botton, Ends) Thickness Allowance Radius Radius Ratio Apex Angle Radius Diameter (Convex or Concave) (a) End 2.12" NA 38.00" NA												
(a) End 2.12" NA 38.00" NA NA NA NA NA NA NA NA CORVEX (b) End 2.12" NA 38.00" NA		, ,	1					· · · · · ·	i 1		1	
End 2.12" NA 38.00" NA NA NA NA NA NA NA N	(a)		 						1			†·
If removable, bolts used (describe other fastenings) SA-193-B7, 1.00"-8 x 3.75" long 36 each end. [Matil., Spec. No., 67, Spe., No.] 9. MAWP 150 psi at max. temp. A50 ° F Min. design metal temp. 32 ° F at 0 psi. Hydro., #phase., or catavitat test pressure 300 psi. 10. Nozzles, inspection and safety valve openings: Pupose Quite, Drain No. or Size Type Mart. Intik Mart! Attached Location Mart. Attached Location Mart. Attached Location Mart. Mart. Attached Location Mart. Attached Location Mart. Mart. Attached Location Mart. M			+								-	† · · · · · · · · · · · · · · · · · · ·
9. MAWP 150 psi at max. temp. 450 psi at max. temp. 450 °F Min. design metal temp. 32 °F at 0 psi. Hydro., phases, or describe test pressure 300 psi. 10. Nozzles, inspection and safety valve openings: Purpose 2. Purpose Diam. 2. Diam. 3.50° Core SA 278 CL.40 NA NA Integral Thru Journal Attached Location Marway 1 10° x 16° Core SA 278 CL.40 NA NA Integral Thru Journal Manway 1 10° x 16° Core SA 278 CL.40 1.25° NA Integral Thru Crown Drain 1 7.75° NPT NA NA NA NA Drilled Thru Flange 11. Supports: Skirt No Lugs NA Legs NA Other NA Attached See Remarks (Na.) (No.)		removable, bolts	used	(describe oth	er fastenings)							Johnson
Min. design metal temp. 32 ° F at 0 psi. Hydro., ######. or dbwf### at 10. Nozies, inspection and safety valve openings: Nozies, inspection and safety valve openings: Nom. Nom. Reinforcement How Mat1. Attached Location Location Location Nom. N				,	0,					ir., Size, No.)		
10. Nozzles, inspection and safety valve openings: Purpose Purpose Purpose Purpose Natl. Nom. Reinforcement Thk. Mat1 Attached Location Mat2 Mat2 Mat2 Mat2 Mat2 Mat3 Mat3 Mat3 Mat4 Mat3 Mat4 Mat4 Mat4 Mat4 Mat5 Mat6 Mat6 Mat7 Mat6 Mat7 Mat6 Mat7 Mat6 Mat7 Mat6 Mat7 Mat7 Mat8 Mat7 Mat8 Mat7 Mat8 Mat8 Mat8 Mat8 Mat8 Mat8 Mat8 Mat8												°F
Purpose Purpos		•	•			Fat0	psi. I	Hydro., # p### .,	ord######testpr	essure	300	psi.
Manway		Purpose	and s		enings:			Nom.	Reir	forcement	How	
Manway 1 10°x 16" Core SA 276 CL 40 1.25" NA Integral Thru Crown Drain 1 .75" NPT NA NA NA NA Drilled Thru Flange 11. Supports: Skirt No Lugs NA Legs NA Other NA Atlached See Remarks (Where and how) 12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report: None (Name of part, fem number, Migr's name and identifying stamp) UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278 UG1-1823. Bolting. fig. UGS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UGS-66. GL&V / SANDY HILL INC. Job #C981622 We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vesser conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 2030. Date 2-23-99 Co. Name GL&V / SANDY HILL INC. Signed CERTIFICATE OF SHOP INSPECTION Vessel constructed by GL&V / SANDY HILL INC. Signed (Representative) CERTIFICATE OF SHOP INSPECTION 1 GL&V / SANDY HILL INC. Signed CERTIFICATE OF SHOP INSPECTION Vessel constructed by HSB I&I Co. Hartford, CT. have inspected the component described in this Manufacturer's Data Report on 12-2 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer shall be liable in any manner for any personal playury of property damage or a loss of any kind arising from or connected with this inspection. L 423 99 Signed												
Drain 1 .75" NPT NA NA NA NA Drilled Thru Flange 11. Supports: Skirt No Lugs NA Legs NA Other NA Attached See Remarks (Where and how) 12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report: None (Name of part, item number, Migr's name and identifying stamp) 12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report: None (Name of part, item number, Migr's name and identifying stamp) (Name of part, item number, Migr's name and identifying stamp) (Name of part, item number, Migr's name and identifying stamp) (Name of part, item number, Migr's name and identifying stamp) (Name of part, item number, Migr's name and identifying stamp) (Name of part, item number, Migr's name and identifying stamp) (Name of part, item number, Migr's name and identifying stamp) (Name of part, item number, Migr's name and identifying stamp) (Name of part, item number, Migr's name and identifying stamp) (Name of part, item number, Migr's name and identifying stamp) (Name of part, item number, Migr's name and identifying stamp) (Name of part, item number, Migr's name and identifying stamp) (Name of part, item number, Migr's name and identifying stamp) (Name of part, item number, Migr's name and identifying stamp) (Name of part, item number, Migr's name and identifying stamp) (Name of part, item number, Migr's name and identifying stamp) (Name of part, item number, Migr's name and identifying stamp) (Name of part, item number, Migr's name and identifying stamp) (Name of part, item number of the following items of this report: Name and identifying stamp) (Name of part, item number of the following items of this report: Name and identifying stamp) (Name of part, item number of the following items of this report item of the following items of this report. (Name of part, item number of the following item	-					+						
11. Supports: Skirt No Lugs NA Legs NA Other NA Attached See Remarks (Describe) 12. Remarks: Manufacturer's Partial Data Reports property identified and signed by Commissioned Inspectors have been furnished for the following items of this report: None (Name of part, Rem number, Migr's name and identifying stamp) UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278 UCI-1823. Bolting, fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66. GL&V / SANDY HILL INC. Job #C981622 CERTIFICATE OF SHOP COMPLIANCE We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vesser conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 2000. Date 2-23-99 Co. Name GL&V / SANDY HILL INC. Signed (Manufacturer) CERTIFICATE OF SHOP INSPECTION (Manufacturer) HUDSON FALLS, NEW YORK 12839 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HS BL&L Co. Hartford, CT. have inspected the component described in this Manufacturer's Data Report on HSB BL&L Co. Hartford, CT. have inspected the component described in this Manufacturer's Data Report on Furthermore, neither the Inspector nor his employer shall be liable in any manner for pary personal injury or property damage or a loss of any kind arising from or connected with this inspection. L 1/23/49 Signed		···	-			SA						
(No.) (No.) (Describe) (Where and how) 12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report: No ne (Name of part, item number, Mfgr's name and identifying stamp) UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278 UC1-1&23. Bolting, fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66. GL&V / SANDY HILL INC. Job #C981622 We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 2430 2000. Date 2-23-99 Co. Name GL&V / SANDY HILL INC. Signed (Representative) Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839 (Representative) I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected the component described in this Manufacturer's Data Report on 2/23 (1944) and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. 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. L 2/23/99 Signed		Dialii	'	./5	INPI		INA	INA INA		NA	Drilled	inru Flange
(No.) (No.) (Describe) (Where and how) 12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report: No ne (Name of part, item number, Mfgr's name and identifying stamp) UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278 UC1-1&23. Bolting, fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66. GL&V / SANDY HILL INC. Job #C981622 We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 2430 2000. Date 2-23-99 Co. Name GL&V / SANDY HILL INC. Signed (Representative) Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839 (Representative) I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected the component described in this Manufacturer's Data Report on 2/23 (1944) and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. 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. L 2/23/99 Signed	44 Cu-		l	NI-	1	NA Lawa	A I A	011				
12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report: None (Name of part, item number, Migr's name and identifying stamp) UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278 UC1-1&23. Bolting, fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66. GL&V / SANDY HILL INC. Job #C981622 CERTIFICATE OF SHOP COMPLIANCE We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessen conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 2000. Date 2-23-99 Co. Name GL&V / SANDY HILL INC. Signed CERTIFICATE OF SHOP INSPECTION Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected the component described in this Manufacturer's Data Report on 2/23 Inspectors and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. 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 or reportery damage or a loss of any kind arising from or connected with this inspection. L 223/99 Signed	11. Sup	ports: Skirt			Lugs	•		_ Other		Attac		
(Name of part, item number, Migr's name and identifying stamp) UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278 UC1-1&23. Bolting.fig.UCS-66(e).Inner Manway or handhole covers Per UG11(a)(1), UCS-66. GL&V / SANDY HILL INC. Job #C981622 CERTIFICATE OF SHOP COMPLIANCE We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vesser conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 2000. Date 2-23-99 Co. Name GL&V / SANDY HILL INC. Signed CERTIFICATE OF SHOP INSPECTION (Manufacturer) Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Manufacturer has constructed this manufacturer's Data Report on HSB l&I Co. Hartford, CT. have inspected the component described in this Manufacturer's Data Report on Pressure vessel described in this Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. 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 piury or property damage or a loss of any kind arising from or connected with this inspection. L 223 49 Signed		narks: Manufac	turers	s Partial Data	Reports prope	rly identified an	d signed by Co	ommissioned Ins		n fumished for t		
UCI-1&23. Bolting fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66. GL&V / SANDY HILL INC. Job #C981622 CERTIFICATE OF SHOP COMPLIANCE We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 2000. Date 2-23-99 Co. Name GL&V / SANDY HILL INC. Signed (Manufacturer) CERTIFICATE OF SHOP INSPECTION Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected the component described in this Manufacturer's Data Report on 1223 1949 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. 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. L 223 49 Signed	None				· · · · · · · · · · · · · · · · · · ·	(Name of pa	art, item number, M	for's name and identi	ifvino stamo)			
CERTIFICATE OF SHOP COMPLIANCE We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 2000. Date 2-23-99 Co. Name GL&V / SANDY HILL INC. Signed (Representative) CERTIFICATE OF SHOP INSPECTION Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected the component described in this Manufacturer's Data Report on 123 1999 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. 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. L 123 99 Signed	UG125	5, Over pr	ess	ure prote	ction pr					emptions,	SA 278	
CERTIFICATE OF SHOP COMPLIANCE We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 2430 2000 Date 2-23-99 Co. Name GL&V / SANDY HILL INC. CERTIFICATE OF SHOP INSPECTION Vessel constructed by I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected the component described in this Manufacturer's Data Report on 2/23 index and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. 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. L 1/23/99 Signed							y or hand	lhole cove	rs Per UG11	(a)(1),UCS	S-66.	
We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 2030 2000. Date 2-23-99 Co. Name GL&V / SANDY HILL INC. Signed CERTIFICATE OF SHOP INSPECTION Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected the component described in this Manufacturer's Data Report on 123 199 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. 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. L 1/23/99 Signed	GL&V	/ SANDY H	1 L L	INC.,	0D #C981	622						
the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 230 2000. Date 2-23-99 Co. Name GL&V / SANDY HILL INC. Signed CERTIFICATE OF SHOP INSPECTION Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected the component described in this Manufacturer's Data Report on 123 199 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. 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. L 213/99 Signed Commissions NB1090 A NS 5054	18/2 2		-4-4-									
Date 2-23-99 Co. Name GL&V / SANDY HILL INC. Signed (Representative) CERTIFICATE OF SHOP INSPECTION Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected the component described in this Manufacturer's Data Report on 123 iqqq and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. 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. L 1/13/99 Signed	the A	SME Code for F	statei ressu	ments made Ire Vessels, S	in this report ection VIII, Div	are correct a vision 1. "U" Ce	ind that all deta ertificate of Aut	alls of design, in Thorization No.	naterial, construct 792		nansnip of this 2 43 0	
Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected the component described in this Manufacturer's Data Report on 123 IGM and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. 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. L 123 99 Signed Commissions NB 10961 A NS 5054					-			-		•	Dan	
Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected the component described in this Manufacturer's Data Report on 2/23 Iqqq and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. 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. L 1/13/99 Signed Commissions NB 10964 A NV5 5054	Date		-			GLAV		_ 1140.		Signed	(Represent	tative)
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected the component described in this Manufacturer's Data Report on Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. 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. Commissions NB 1096 A NS 5054	,,				\$ {			SHOP INSPE				
N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected the component described in this Manufacturer's Data Report on 2/23 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. 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. L 2/23/99 Signed Commissions NB1096 A NV5 5054				ng a valid co	mmission iss	GL&V/SANDY	HILL INC. National Board	d of Boiler and	at Pressure Vess	HUDSON F	ALLS, NEW YO	ORK 12839 .
the component described in this Manufacturer's Data Report on 2/23 Iqqq and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. 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 prury or property damage or a loss of any kind arising from or connected with this inspection. L 1/13/99 Signed Commissions N/B 1096/ A N/5 5054	,					-				•		
Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. 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. L 1/13/99 Signed Commissions N/3/1996/ A N/5 5054	the co				turer's Data F				1999 and s			•
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. L 2/13/99 Signed Commissions NB 10961 A NV 5 5054	Manu	facturer has c	onstru	icted this pre	ssure vessel	in accordance	with ASME Co	de, Section VIII	. Division 1. By	signing this cert	ificate neither th	e Inspector nor his
L 2/23/99 Signed // Commissions N/3/1096/ A N/5 5054	emplo nor hi	byer makes an is employer sha	y wai II be li	rranty, expres lable in anv ma	sed or implied anner forlanv i	, concerning th personal injury	e pressure ves ór property dan	isel described in nage or a loss o	i this Manutacture If any kind arising	rs Data Report. from or connecte	runnermore, n ed with this inso	eitner the inspector ection.
	1	1/12/40				of Herry	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				NS INCL	-
		70111			1/14	Authorized Insp	pector)	U	ommissions	(Nat'l Board (incl	I. endorsements) Stat	e, Prov. and No.)

(Name and address of manufacturer)	
2. hractured for	
3. Location of installation Wausau Paper Mills Co., Brokaw Div., Second St.,, Brokaw,, WI 54417	
	703 1999
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AN	3d. No.) (Year built) ID PRESSURE 1995
to 1997	Year
Addenda (Date) Code Case Nos. Special Service per UG 120(d)	
6. Shell: SA 278 CL. 40 1.00" NA 45,86" Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. 1.D. (ft. & in.)	151.50"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) 7. Seams: NA 100 NA NA Seamless NA	Length (overall) (ft. & in.)
Long. (Welded, Dbl., R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., R.T. (Spot, Partial,	No. of Courses
Sngl., Lap, Butt) Sngl., Lap, Butt) or Full) 8. Heads: (a) Matl. SA278 CL.40 (b) Matl. SA278 CL.40	
(Spec No., Grade) (Spec No., Grade)	
Location (Top, Minimum Corrosion Crown Knuckle Elliptical Conical Hemispherical Flat Bottom, Ends) Thickness Allowance Radius Radius Ratio Apex Angle Radius Diamet	Side to Pressure
(a) End 2.12" NA 38.00" NA NA NA NA NA NA	(Convex or Concave) Convex
(b) End 2.12" NA 38.00" NA NA NA NA NA	Convex
If removable, bolts used (describe other fastenings) SA-193-B7, 1.00"-8 x 3.75" long 36 each end.	
(Matt., Spec. No., Gr., Size, No.)	
	*F
Min. design metal temp. 32 ° F at 0 psi. Hydro., ####################################	0 psi.
Purpose Diam. Nom. Reinforcement Ho	
CALCUMAN A 2.508 O CALCOO III	
Manway 1 10" x 16" Core SA 278 CL.40 NA NA NA Intercoduct Manway 1 10" x 16" Core SA 278 CL.40 1.25" NA Intercoduct	
Drain 1 .75" NPT NA NA NA Dril	
TV DIA	ed Third Liange
11. Supports: Skirt No Lugs NA Legs NA Other NA Attached	See Remarks
(Yes or no) (No.) (No.) (Describe)	(Where and how)
12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following None	items of this report:
(Name of part, item number, Mfgr's name and identifying stamp)	
UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278 UCI-1&23. Bolting. fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66.	
GL&V / SANDY HILL INC., Job #C981622	
CERTIFICATE OF SHOP COMPLIANCE	
We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires	this vessel conform to 3/3000
Date 2-23.9 Co. Name GL&V / SANDY HILL INC. Signed J Pull	
CERTIFICATE OF SHOP INSPECTION	esentative)
Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS NEV	/ YORK 12839 .
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the S	
Tianuit, OT.	have inspected
the component described in this Manufacturer's Data Report on 113 iqqq and state that, to the best of my Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neithen employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermon nor his employer, shall be liable in any manner for pay personal injury or property damage or a loss of any kind arising from or connected with this interest of the component described in this Manufacturer's Data Report.	er the Inspector nor his
Commissions NB 10961 A NVS 505	State, Prov. and No.)

1. Manu	factured and ce	rtified	by GL&V/S	ANDY HILL IN	C., 27 ALLEN S	STREET, HUD	SON FALLS, N	EW YORK 12839)		
2. h	actured for V	Vausa	ıu Paper Mills	Co., Brokaw I	Div., Second S	t.,, Brokaw,, 1		ss of manufacturer)			
3. Locat	ion of installatio	n <u>Wa</u>	usau Paper N	Mills Co. , Brok	aw Div., Secon	d St.,, Brokav	v., WI 54417				-
4. Type	Horiz			8681-20330-2			(Name and ac NA	131D00	733 Rev2	6702	1999
5. The	(Horiz. or chemical and	phys	sical properti	(Mfg's seri es of all pa	irts meet the	requirements	(CRN) of material	specifications of	wing no.) the ASME BO	(Nat'l Bd. No DILER AND F	.) (Year built) PRESSURE
VES	SEL CODE. 1	The d	esign, constr	uction, and w	orkmanship co	nform to ASM	E Rules, Secti	on VIII, Division	1	1995	
to _		1997			NA				NA	Year	
6. Shell:		nda (Da Δ 278	te) I CL. 40		Code Case Nos. 1.00"		NA	Sp	ecial Service per UG 1	20(d)	454.500
u. Onen.	Mat'l.	(Spec.	No., Grade)		Nom. Thk. (in.)		Corr. Allow. (in.)		45.86" Diam. I.D. (ft. & in.)	Len	151.50" igth (overall) (ft. & in.)
7. Seam				NA	100	NA	NA	Seamless	NA		1
	Long. (Wel Sngl., La	aea, Do p, Butt)	N., R.I. (Spot or Full)	Eff. (%)	.T. Temp (F)	Time (hr)	Girth (welded, Dbl., Sngl., Lap, Butt)	R.T. (Spot, P or Full)		No. of Courses
8. Heads	s: (a) Matl.			SA278 (Spec No.,			(b) Matl.			8 CL.40	
	Location (Top,	M	inimum	Corrosion	Crown	Knuckle	Elliptical	Conical	Hemispherical	o., Grade) Flat	Side to Pressure
	Bottom, Ends)		ickness	Allowance	Radius	Radius	Ratio	Apex Angle	Radius	Diameter	(Convex or Concave)
(a)	End	+	2.12"	NA	38.00"	NA	NA NA	NA	NA	NA	Convex
(b)	End		2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex
it r	emovable, bolts	used	l (describe oth	ner fastenings)	 		SA-193	-B7, 1.00"-8 x 3.75 (Matt., Spec. No., G		nd.	
9. MAW	Ρ			150		psi at m	ax. temp.	(Mas., opec. 140., c	450		°F
Min. o	design metal ter	np.	33	2 °	Fat 0	psi. H	-lydro., #####.,	or dumbu test pr	essure	300	psi.
	zles, inspection Purpose	and s	afety valve o Diam.	penings:							· · · · · · · · · · · · · · · · · · ·
<i>r</i>	Outlet, Drain)	No.	or Size	Туре		Mat'l.	Nom. Thk.	Reir	nforcement Mat'l.	How Attached	Location
.11	iet/Outlet	1	3.50"	Core	SA 2	78 CL.40	NA		NA	Integral	Thru Journal
<u>'</u>	Manway	1	10" x 16"	Core	SA 2	78 CL.40	1.25"		NA	Integral	Thru Crown
	Drain	1	.75"	NPT		NA	NA		NA	Drilled	Thru Flange
L								.			
11. Sup	ports: Skirt		No (Yes or no)		NA Legs	NA (Na)	Other	NA NA	Attach		ee Remarks
12. Rem	arks: Manufac			Reports proper	(No.) rly identified and	(No.) I signed by Co	mmissioned Ins	(Describe) spectors have bee	n furnished for the	W) e following item:	here and how) s of this report:
None											
UG125	, Over pr	essi	ure prote	ection pr	ovided els	se where	gr's name and identi in system	. Impact ex	emptions.S	A 278	
UC 1 - 1	&23. Bolt	ing.	fig.UCS	-66(e).In	ner Manway	or hand	hole cove	rs Per UG11	(a)(1),UCS	-66.	
GL&V	/ SANDY H	ILL	INC.,	Job #C981	622						
M					CERT	IFICATE OF	SHOP COMPL	IANCE			
the AS	ertify that the SME Code for P	stater ressu	nents made re Vessels, S	in this report ection VIII, Div	are correct ar ision 1. "U" Ce	nd that all detain	ils of design, m horization No.	aterial, construct 792	ion, and workma expires	nship of this ہ 3/30ھے	vessel conform to
i	2-23-99	_	o. Name	-		/ SANDY HILL	_			D/G	() = 2000
Date			o. Ivaine		GLAV	(Manufacturer)	. INC.		Signed	(Representa	atMe)
Vocac	l constructed by			\$ ₁ C			SHOP INSPEC				
l, the	l constructed by undersigned,	/ holdin	g a valid co	mmission iss	BL&V/SANDY ued by The N	HILL INC. ational Board	of Boiler and	at Pressure Vesse	HUDSON FA el Inspectors an	ALLS, NEW YOU od the State of	RK 12839
			nployed by			ISB I&I Co.			Hartford		have inspected
the co	mponent descri	bed ir	n this Manufa	cturer's Data R	eport on	2/23		1999 and s	tate that, to the b	est of my knowl	edge and belief the
Manuf	acturer has co	nstru v war	cted this pre	ssure vesseli	n accordance v	vith/ASME Coc	de, Section VIII,	Division 1. By	signing this certifi	cate neither the	Inspector nor his either the Inspector
nor his	s employer shal	be lia	able in any ma	anner for any p	ersonal injury o	r property dam	lage or a loss of	tills Manuracture any kind arising f	rom or connected	runnermore, no I with this inspe	ction.
L	2/23/90	_	Signed	1 / 1/4	of the			ommissions //		NVS 5054	
L				/ <i>``</i>	(Authorized Inspe	ctor)		700		endorsements) State	, Prov. and No.)

1. Mar	nufactured and ce	ertified	by GL&V/S	ANDY HILL II	NC., 27 ALLEN S	STREET, HUD	SON FALLS, N	IEW YORK 12839	9		
2.	factured for	Vausa	au Paper Mills	Co., Brokaw	Div., Second St	t.,, Brokaw,,	WI 54417	ess of manufacturer)			
3. Loc	ation of installation	n <u>W</u> a	usau Paper M	ills Co. , Brok	aw Div., Secon	d St.,, Brokav		. ,			
4. Typ	e Horiz (Horiz. or	ontal	ok)	8676-20344-2 (Mfg's se			(Name and a	131D0	0733 Rev2	6701	1999
5. The	chemical and	phys	sical propertie	es of all p	arts meet the	requirements nform to ASM	(CRN) s of material E Rules, Sect	Dra) specifications of ion VIII, Division	wing no.) f the ASME BO 1	(Nat'l Bd. No DILER AND 1 1995	PRESSURÈ
to		1997			NA				NA	Year	
		nda (Da			Code Case Nos.			Sp	ecial Service per UG 1	20(d)	
6. She	ell: S	A 278	No., Grade)		1.00" Nom. Thk. (in.)		NA Corr. Allow. (in.)		45.86"	···	151.50"
7. Sea		nless		NA	100	NA	NA	Seamless	Diam. I.D. (ft. & in.) NA	Lei	ngth (overall) (ft. & in.)
	Long. (We Sngl., La	ded, Dt	ol., R.T. (S	pot or Full)		.T. Temp (F)	Time (hr)	Girth (welded, Dbl.,	R.T. (Spot, F		1 No. of Courses
8. Hea	ads: (a) Matl.	ւթ, օսևյ	•	SA278	Cl 40		(b) Matl.	Sngl., Lap, Butt)	or Full)	8 CL.40	
Г				(Spec No.			(D) Mau.			o., Grade)	
	Location (Top, Bottom, Ends)	i i		Corrosion	Crown	Knuckle	Elliptical	Conical	Hemispherical	Flat	Side to Pressure
(a)	End		ickness . 2.12"	Allowance NA	Radius 38.00"	Radius NA	Ratio NA	Apex Angle NA	Radius	Diameter	(Convex or Concave)
(b)	End	+-	2.12"	NA	38.00"	NA NA	NA NA	NA NA	NA NA	NA NA	Convex
	f removable, bolts	'				11/1	·	3-B7, 1.00"-8 x 3.7		NA nd	Convex
			. (400001100 011)	or radionings,	***************************************		0A-130	(Matl., Spec. No., G	Gr., Size, No.)	IIU.	
9. MA'	WP	•		150		psi at m	ax. temp.		450		°F
	ı. design metal ter	· · · · ·	32		°Fat 0	psi.	-lydro., # рией .,	oro###################################	essure	300	psi.
IU. NO	ozzles, inspection Purpose	and s	Diam.	enings:			Nom.	Rei	nforcement	How	
-(ı ,	Outlet, Drain)	No.	or Size	Туре		Mat'l.	Thk.	Tron	Mat'l.	Attached	Location
	.et/Outlet	1	3.50"	Core		78 CL.40	NA		NA	Integral	Thru Journal
	Manway	1	10" x 16"	Core		78 CL.40	1.25"		NA	Integral	Thru Crown
	Drain	1	.75"	NPT		NA	NA NA		NA	Drilled	Thru Flange
11. St	ıpports: Skirt	· ·	No	Lugs	NA Legs	NA	Other	NA	Attach	ed S	ee Remarks
12. Re	emarks: Manufac		(Yes or no) Partial Data F	Reports prope	(No.) dv identified and	(Na.) I signed by Co	mmissioned In	(Describe) spectors have bee	in furnished for the	(V)	Where and how)
None)								ar lumished for the	e following item	is of this report.
UG12	25. Over or	e s s i	ire nrote	ction or	(Name of part	, item number, Mf	gr's name and ident	ifying stamp) . Impact ex	amptions S	A 070	
UCI-	1&23. Bolt	ing.	fig. UCS-	66(e).In	ner Manway	or hand	hole cove	rs Per UG11	(a)(1).UCS	-66	
GL&V	/ / SANDY H	ILL	INC., J	ob #C981	622				(-/(-//		
			. ,		CERTI	FICATE OF	SHOP COMPL	IANCE			
We	certify that the ASME Code for P	stater	nents made i	n this report	are correct an	d that all deta	ils of design in	naterial, construct		nship of this	vessel conform to
				cdon viii, Di				792	expires	7 136 1	2000
Date	2-23-9	<u>4</u> c	o. Name		GL&V /	SANDY HILL (Manufacturer)	. INC.	·	Signed	Proces	/ V
					CERT	/	SHOP INSPE	CTION		(Represent	ative)
Vess	sel constructed by	/ holdin	a o valid ser	ξ _ι (GL&V / SANDY F	HILLING		at	HUDSON FA	LLS, NEW YO	RK 12839 .
1, 41			y a valid cor iployed by	nmission iss		ational Board ISB I&I Co.	of Boiler and	Pressure Vesse			
the o	component descri			turor's Data F		2/23		1000	Hartford		have inspected
Man	ufacturer has co	nstru	cted this pres	sure vessel	in accordance w	ith ASME Coo	le, Section VIII,	Division 1 By	signing this certifi	cate neither the	ledge and belief, the le lnspector nor his
nor l	his employer shal	be lia	able in any ma	nner for any	, concerning the persønal injury ør	pressure vess property dam	sei described in lage or a loss o	i this Manufacturei f any kind arising f	rs Data Report. rom or connected	rurtnermore, ne I with this inspe	either the Inspector ction.
Е	2/23/99	~	Signed	1/1/4	at 114m	_		ommissions //	R MALI A	NIK KAK	2/
	1-41-		J	<i>V</i>	(Authorized Inspec	ctor)			(Nat'l Board (incl. e	endorsements) State	y, Prov. and No.)

1. Manufactured and c	ertifie	by GL&V	SANDY HILL IN	IC., 27 ALLEN	STREET, HUD	SON FALLS, NE	W YORK 12839	9		
2. factured for	Waus	au Paper Mi	lls Co., Brokaw	Div., Second S	St.,, Brokaw,,	WI 54417	s of manufacturer)			
3. Location of installati	on W	ausau Pape	r Mills Co. , Brok	aw Div., Secor	nd St.,, Broka		,			
	zontal		8677-20338-2			(Name and add	,	0733 Rev2	6700	1999
5. The chemical and	rvert.ta 1 phy	_{ink)} sical prope	(Mfg's series of all pa	al No.) arts meet the	requirements	(CRN) of material				
VESSEL CODE.	The o	lesign, con	struction, and w	orkmanship co	onform to ASM	E Rules, Section	on VIII, Division	1	1995	KESSUKE
to	1997			NA				NA	Year	
	enda (Da		······································	Code Case Nos.			Sp	ecial Service per UG 12	20(d)	
6. Shell:	SA 2/8 I. (Spec	8 CL. 40 . No., Grade)		1.00" Nom. Thk. (in.)		NA Corr. Allow. (in.)		45.86"		151.50"
7. Seams: Sea	mless		NA	100	NA	NA	Seamless	Diam. I.D. (ft. & in.) NA	Lenç	oth (overall) (ft. & in.)
Long. (We Sngl., L	elded, D ap, Butt	Ы., R.T)	. (Spot or Full)	Eff. (%)	I.T. Temp (F)	Time (hr)	Girth (welded, Dbl., Sngl., Lap, Butt)	R.T. (Spot, Pa	artial,	No. of Courses
8. Heads: (a) Matl.		,	SA278	CL.40		(b) Matl.	Silgi., Lap, Dull)	or Full) SA278	ICI 40	
1 17			(Spec No.,					(Spec No.		
Location (Top, Bottom, Ends)	1	Minimum hickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical	Flat	Side to Pressure
(a) End		2.12"	NA	38.00"	NA	NA	NA NA	Radius NA	Diameter NA	(Convex or Concave) Convex
(b) End		2.12"	NA	38.00"	NA	NA	NA NA	NA	NA	Convex
If removable, bolt	s used	d (describe o	other fastenings)		·	SA-193-	37, 1.00"-8 x 3.7	5" long 36 each en		OUNTER
9. MAWP			150		noi et m		(Matl., Spec. No., G	ir., Size, No.)		
Min. design metal te	mn			Fat 0		ax. temp.		450		°F
10. Nozzles, inspection	•			1 at	pai. r	-tyuro., гримен .,	or dawntu test pr	essure	300	psi.
Purpose (!-'-t Outlet, Drain)	No.	Diam. or Size	Туре		Mat'l.	Nom.	Reir	forcement	How	
et/Outlet	1	3.50"	Core	·	78 CL.40	Thk.	-	Mat'l. NA	Attached	Location
Manway	1	10" x 16			78 CL.40	1.25"		NA	Integral	Thru Journal Thru Crown
Drain	1	.75"	NPT		NA	NA NA		NA NA	Integral Drilled	Thru Flange
								100	Dilled	Tillu Flalige
11. Supports: Skirt	-	No	Lugs	NA Legs	NA	Other	NA	Attache	e2 he	e Remarks
12 Remarks: Manufac		(Yes or no)		No.)	(No.)		(Describe)		/\A/C	
12. Remarks: Manufaction None	, lui ei s	s Fallidi Dal	a Reports proper	iy identified and	signed by Co	mmissioned Insp	ectors have bee	n furnished for the	following items	of this report:
UG125 Over pr		UFO D.F.O.		(Name of par	t, item number, Mf	gr's name and identify	ing stamp)			
UG125, Over pr UCI-1&23. Bolt	ina.	fia.UCS	S-66(e) Int	ovided eis	e where	in system.	Impact ex	emptions, SA	278	
GL&V / SANDY H	IILL	INC.,	Job #C9816	322	or nana	HOTE COVET	3 FET UGII	(a)(1),0CS-	00.	
	- :			CERTI	FICATE OF S	SHOP COMPLIA	NCE			
We certify that the	stater	ments made	in this report	are correct an	id that all detai	ls of design ma	terial, constructi	on, and workman	ship of this v	essel conform to
3107101112 0000 1011	10334	ie vesseis,	Section VIII, Divi	sion 1. "U" Cei	tificate of Auth	orization No.	792	expires _	03/30/	2000
Date 2-23-90	<u>}</u> c	o. Name		GL&V	SANDY HILL	INC.		Signed		
				CERT	(Manufacturer)	SHOP INSPECT	TION .		(Representat	ive)
Vessel constructed b	y - 1-15-		i G	L&V / SANDY I	HILL INC		at	HUDSON FAL	LS, NEW YOR	K 12839
I, the undersigned, N.Y.	holdin	g a valid d	commission issu			of Boiler and	Pressure Vesse	I Inspectors and	the State or	r Province of
		nployed by	noturorio Doto D	· · · · · · · · · · · · · · · · · · ·	ISB 1&1 Co.		200	Hartford,		have inspected
the coniponent described Manufacturer has complete makes an and the conference of th	onstrue y wari	cted this pranty, expre	ressure vessel in	accordance w	pressure vess	e, Section VIII, D	Division 1. By s	signing this certific	ate neither the	than tha language l
nor his employer shall	l be lia	able in any r	nanner for any po	ersonal injury or	property dam	age or a loss of a	ny kind arising fi	rom or connected	with this inspec	tion.
r 2/23/99	s	Signed	Mat	12h/_		Con	nmissions NB	10961 A NY	15 5054	An an Labour
			- / · · · · · ·	Authorized Insper	ctor))			(Nat'l Board (incl. en	dorsements) State,	Prov. and No.)

1. Mar	nufactured and c	ertified	by GL&V	SANDY HILL I	NC., 27 ALLEN	STREET, HUD	SON FALLS, NE	W YORK 12839)		
2.1.					Div., Second S	t.,, Brokaw,,	(Name and addres WI 54417	s of manufacturer)			
3. Loc	ation of installation	on <u>Wa</u>	ausau Paper	Mills Co., Bro	kaw Div., Secor	nd St.,, Broka		,		-	
4. Тур	e <u>Hori</u>	zontal		8671-20326-	20369		(Name and add	,	733 Rev2	6699	1999
5. The	(Horiz, or chemical and	vert. ta	nk)	(Mfolo co	riol No. 1	roquiroment	(00.0		wing no.) the ASME BO		
VE	SSEL CODE.	The d	lesign, cons	struction, and	workmanship co	nform to ASM	s oi material : F Rules Sectio	specifications of	the ASME BO		
			•	,			L Maics, Section	ii viii, Divisioti	-	1995 Year	
to	Adde	1997 nda (Da	ate)		NA Code Case Nos.				NA NA		
6. She	II: S	A 278	3 CL 40		1.00"		NA	Spi	ecial Service per UG 1	20(d)	454 500
	Mat'l	(Spec.	No., Grade)		Nom. Thk. (in.)		Corr. Allow. (in.)		45.86" Diam. I.D. (ft. & in.)	- len	151.50" gth (overall) (ft. & in.)
7. Sea		nless		NA .	100	NA	NA	Seamless	NΔ	20.1	1
	Long. (We Sngl., L			. (Spot or Full)	Eff. (%)	.T. Temp (F)	Time (hr)	Girth (welded, Dbl.,	R.T. (Spot, P		No. of Courses
8. Hea	ds: (a) Matl.			SA278	CL.40		(b) Matl.	Sngl., Lap, Butt)	or Full)	8 CL.40	
Г				(Spec No.			(0) Ividu		(Spec No		
	Location (Top,		linimum	Corrosion	Crown	Knuckle	Elliptical	Conical	Hemispherical	Flat	Side to Pressure
(a)	Bottom, Ends) End		nickness	Allowance	Radius	Radius	Ratio	Apex Angle	Radius	Diameter	(Convex or Concave)
		+	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex
(b)	End		2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex
11	removable, bolts	sused	f (describe o	ther fastenings			SA-193-E		" long 36 each ei	nd.	
9. MAV	NP			150		m=1 =4	4	(Matl., Spec. No., G			
	design metal ter	mn.			°Fat 0		ax. temp		450		°F
	zzles, inspection				°Fat 0	psi.	lydro., /prawu .,	or distribit test pre	essure	300	psi.
10.110	Purpose	and s	Diam.	openings.			Nom.	Pain	forcement	How	
<u>('</u>	Outlet, Drain)	No.	or Size	Туре		Mat'l.	Thk.		Mat'l.	Attached	Location
	.,et/Outlet	1	3.50"	Core	SA 2	78 CL.40	NA		NA	Integral	Thru Journal
	Manway	1	10" x 16"	Core	SA 2	78 CL.40	1.25"		NA	Integral	Thru Crown
	Drain	1	.75"	NPT		NA	NA		NA	Drilled	Thru Flange
											Tind Flange
11. Su	pports: Skirt		No	Lugs	NA Legs	NA	Other	NA	Attach	ad C	
40.0	_		(Yes or no)		(No.)	(No.)	-	(Describe)	Attach	0.80	ee Remarks
12. Rei None	marks: Manutac	turer's	Partial Data	Reports prope	rly identified and	I signed by Co	mmissioned Insp	ectors have beer	furnished for the	following items	of this report:
MOHE					(Name of part	item number Mfr	gr's name and identifyi				
UG12	5, Over pr	essu	ire prot	ection pr	ola hahivo	e where	in systam	Impact	emptions,SA	278	
001-	1023. BOIL	ıng.	_fig. ucs	-66(e).In	<u>ner Manway</u>	or hand	hole cover	s Per UG11	emptions,SA (a)(1),UCS-	66.	· · · · · · · · · · · · · · · · · · ·
GL&V	/ SANDY H	ILL	INC.,	Job #C981	622				(/(/)		
					CERTI	FICATE OF S	HOP COMPLIA	NCE			
We	certify that the	staten	nents made	in this report	are correct an	d that all detai	ls of decian mai	terial, construction	on, and workma	nship of thisav	esse conform to
tne A	SME Code for P	ressur	re Vessels, S	Section VIII, Div	ision 1. "U" Cer	tificate of Auth	orization No.	792	expires	3/80	2000
Date	2-18-99	C	o. Name		GL&V /	SANDY HILL	INC	c	igned /	PAU	X
ļ <u>.</u>						(Manufacturer)			ingried	(Representat	tive)
Voce	al constructed by			ξ _ι (CERT	FICATE OF	SHOP INSPECT	ION			
	Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of										
·	N.Y. a	nd em	ployed by	ommadion ida	ued by The Na	SB I&I Co.	or boller and r	ressure vesse			i
the co	omponent descri		· · · · · -	eturor's Data B				066	Hartford,		have inspected
Manu	ifacturer has co	nstruc	ted this on	essure vesseli	n accordance w	2/18 HASME Cod	2 Section VIII D	and sta	ate that, to the be	st of my knowle	edge and belief, the Inspector nor his
Citipit	by or makes any	AA CILI	анку, ехріе:	sseu or imblied.	. concerning the	pressure vess	el described in th	nie Manufacturari	e Data Donort - E	Jurtharmora nai	4han 4ha 1
nor h	is employer shall	be lia	ble in any m	anner for any p	ersonal injury or	property dama	age or a loss of a	ny kind arising fr	om or connected	with this inspec	tion.
D	2/18/44	S	igned	1/1/4	XT H/M		Com	missions NB	10961 A NI	15.5054	
					(Authorized Inspec	etor)			(Nat'l Board (incl. er	ndorsements) State,	Prov. and No.)
)					· · · · · · · · · · · · · · · · · · ·

1. Man	ufactured and ce	ertified	by GL&V/SA	ANDY HILL IN	IC., 27 ALLEN S	STREET, H UD)		
2. 1.	actured for V	Vausa	u Paper Mills (Co. , Brokaw	Div., Second S	t.,, Brokaw,, \	(Name and address NI 54417 ame and address of process.)	,	7.10m.m.		
3. Loca	ation of installatio	n <u>W</u> a	usau Paper M	ills Co. , Brok	aw Div., Secon	d St.,, Brokaw	<u>,, W</u> I 54417	•			
4. Type	e Horiz	ontal		8674-20345-2			(Name and add NA		733 Rev2	6698	1999
5. The	(Horiz. or chemical and	vert. tar phys	ik) sical propertie	(Mfg's ser es of all pa	ial No.) arts meet the	requirements	(CRN) of material s	(Dra	wing no.) the ASME BC	(Nat'l Bd. No ILER AND F	(Year built)
VE	SSEL CODE.	The d	esign, constru	iction, and w	vorkmanship co	nform to ASM	E Rules, Section	n VIII, Division	1	1995	
to		1997			NA				NA	Year	
e Chal		nda (Da			Code Case Nos.		NIA	Sp	ecial Service per UG 12	20(d)	
6. Shel	Mat'l.	(Spec.	CL. 40 No., Grade)		1.00" Nom. Thk. (in.)		NA Corr. Allow. (in.)		45.86" Diam. I.D. (ft. & in.)	Len	151.50" gth (overall) (ft. & in.)
7. Seal	ms: Sear	nless	, 1	NA	100	NA	NA	Seamless	NA		1
	Long. (We Sngl., La	lded, Dt ip, Butt)	il., R.T. (S	pot or Full)	Eff. (%) H	.T. Temp (F)	Time (hr)	Girth (welded, Dbl., Sngl., Lap, Butt)	R.T. (Spot, P or Full)		No. of Courses
8. Head	ds: (a) Matl.			SA278			(b) Matl.			3 CL.40	
	Location (Top,	М	inimum ((Spec No., Corrosion	Crown	Knuckle	Elliptical	Conical	(Spec No Hemispherical	o., Grade) Flat	Side to Pressure
	Bottom, Ends)	Th	ickness /	Allowance	Radius	Radius	Ratio	Apex Angle	Radius	Diameter	(Convex or Concave)
(a)	End		2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex
(b)	End		2.12"	NA	38.00"	NA	NA	NA NA	NA	NA	Convex
It	removable, bolts	sused	(describe other	er fastenings)			SA-193-E	37, 1.00"-8 x 3.7 (Matt., Spec. No., 0	5" long 36 each er	nd.	
9. MAV	WP			150		psi at ma	ax. temp.	(450		۰F
Min.	. design metal ter	mp.	32		Fat 0	psi. H	lydro., #priewi.,	ord a⊮nt test p	essure	300	psi.
10. No	zzles, inspection Purpose	and s	afety valve op Diam.	enings:			No-				
('	Outlet, Drain)	No.	or Size	Туре		Mat'l.	Nom. Thk.	Kei	nforcement Mat'l.	How Attached	Location
	.et/Outlet	1	3.50"	Core		78 CL.40	NA		NA	Integral	Thru Journal
	Manway	1	10" x 16"	Core	SA 2	78 CL.40	1.25"		NA	Integral	Thru Crown
	Drain	1	.75"	NPT		NA	NA NA		NA	Drilled	Thru Flange
11. Su	pports: Skirt		No (Yes or no)	Lugs	NA Legs	NA (No.)	Other	NA (Describe)	Attach		ee Remarks /here and how)
12. Re	marks: Manufac			Reports prope			mmissioned Insp		en fumished for the	e following item	s of this report:
None					(Name of par	t item number Mfr	gr's name and identify	ring stamp)			
UG12	5, Over pr	essi	ire prote	ction pr	ovided els	se where	in system.	Impact ex	emptions,SA	A 278	
						y or hand	hole cover	s Per UG11	(a)(1),UCS	-66.	
GL&V	/ / SANDY H	ILL	INC., J	ob #C981	622						
\/\e	certify that the	ctator	nente made i	n thic report			SHOP COMPLIA		tion and workens	mahin of this	vessel conform to
the A	ASME Code for P	ressu	re Vessels, Se	ection VIII, Div	vision 1. "U" Ce	rtificate of Auth	norization No.	792	expires	$\beta/30$	1 / 1
Date	2-18-99	ì c	o. Name	-	GL&V	/ SANDY HILL	INC.		Signed /	DAY	
		<u> </u>				(Manufacturer)				(Represent	ative)
Vess	sel constructed b	v		šį (CERT GL&V / SANDY		SHOP INSPEC	TION at	HUDSON FA	LLS, NEW YO	PK 12830
I, th	e undersigned,	holdin	g a valid cor	nmission iss	sued by The N	ational Board	of Boiler and	Pressure Vess	el Inspectors an	d the State	or Province of
	N.Y.	and en	nployed by		<u> </u>	HSB J&I Co.			Hartford	, СТ.	have inspected
	component descr					2/18	<u>/</u>	998 and s	state that, to the be	est of my knowl	edge and belief, the
emp	loyer makes an	y war	ranty, express	sed or implied	l, concerning the	pressure vess	sel described in t	his Manufacture	r's Data Report.	Furthermore, ne	Inspector nor his either the Inspector
norh	nis employer sha	ll be li	able in any ma	nner for any	personal injury o	r property dam	age or a loss of	any kind arising	from or connected	with this inspe	ction.
[2/18/49	{	Signed		100 / 1mg	<u> </u>	Cor	mmissions M	310961 A N	YS 5054	
L				 ₩	(Authorized Inspe	ector))		(Nat'l Board (incl. e	endorsements) State	e, Prov. and No.)

1. Man	. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839 (Name and address of manufacturer)											
2. i.	actured for \(\frac{1}{2}\)	Vausa	u Paper Mills	Co., Brokaw	Div., Second S	St.,, Brokaw,,	WI 54417	•				
3. Loca	ation of installatio	n <u>Wa</u>	usau Paper M	ills Co., Brok	aw Div., Secor	nd St.,, Brokav		,	-			
4. Тур	e Horiz	ontal		8673-20336-2	0376		(Name and add	•	0733 Rev2	6697	1999	
5. The VE	(Horiz. or chemical and SSEL CODE.	phys	ical propertie	(Mfg's series of all pa es of all pa ection, and w	arts meet the	requirements onform to ASM	(CRN) of material s	(Dra	wing no.)	(Nat'l Bd. No OILER AND F 1995	.) (Year built) PRESSURE	
to		1997			NA				NA	Year		
6. She		nda (Dat	e) CL. 40		Code Case Nos.			Sp	ecial Service per UG	120(d)		
o. Sile	Mat'l.	(Spec. 1	Vo., Grade)		1.00" Nom. Thk. (in.)		NA Corr. Allow. (in.)		45.86" Diam. I.D. (ft. & in.)		151.50"	
7. Sea		nless		NA	100	NA	NA	Seamless	NA		gth (overall) (ft. & in.)	
	Long. (We Sngl., La	lded, Dbl	., R.T. (S	pot or Full)	Eff. (%)	H.T. Temp (F)	Time (hr)	Girth (welded, Dbl.,	R.T. (Spot,	Partial,	No. of Courses	
8. Hea	ds: (a) Matl.	.p, 55klj		SA278			(b) Matl.	Sngl., Lap, Butt)	or Full SA27	78 CL.40		
۲	1 1: /=	1	. 1	(Spec No.,		1				lo., Grade)		
	Location (Top, Bottom, Ends)	1	i	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical	Hemispherical	Flat	Side to Pressure	
(a)	End		2.12"	NA	38.00"	NA	NA	Apex Angle NA	Radius NA	Diameter NA	(Convex or Concave) Convex	
(b)	End	2	2.12"	NA	38.00"	NA	NA	NA NA	NA NA	NA NA	Convex	
If	removable, bolts	used	(describe oth	er fastenings)		J		37, 1.00"-8 x 3.7	5" long 36 each e		GONVEX	
## removable, bolts used (describe other fastenings) SA-193-B7, 1.00"-8 x 3.75" long 36 each end. (Matl., Spec. No., Gr., Size, No.) 9. MAWP 150 psi at max. temp. 450 ° F												
	design metal ter	nn	32		Fat 0							
	zzles, inspection	• _) at	psi.	lydro., # planu .,	or o umnor test pr	essure	300	psi.	
r	Purpose Outlet, Drain)	No.	Diam. or Size	Туре		Mat'l.	Nom.	Reir	nforcement	How		
	.iet/Outlet	1	3.50"	Core		278 CL.40	Thk.		Mat'l. NA	Attached	Location	
	Manway	1	10" x 16"	Core		278 CL.40	1.25"		NA	Integral Integral	Thru Journal Thru Crown	
	Drain	1	.75"	NPT		NA	NA NA		NA	Drilled	Thru Flange	
							.,,,		177	Dilled	Tilla Flange	
11. Su	pports: Skirt	_	No .	Lugs	NA Legs	NA	Other	NA	Attacl	hed Se	ee Remarks	
12. Re	marks: Manufac		Yes or no) Partial Data F		(No.)	(No.)	mmissioned Inch	(Describe)	n furnished for th	0.67	hara and haw)	
None	mana. Manajao	turer 3	T Grildi Dala 1	reports proper	ny luchanica ana	a signed by Co	mmissioned insp	ectors have bee	n turnisned for th	ie following items	s of this report:	
LIG12	5 Over pr	06611	re proto	ction pr	(Name of par	rt, item number, Mf	gr's name and identifyi	ng stamp)			<u> </u>	
UCI-	1&23. Bolt	ina.	fia UCS-	66(e) In	ner Manway	v or band	n system.	Impact ex	emptions,S (a)(1),UCS	A 278		
GL&V	/ SANDY H	ILL	INC., J	ob #C981	622	y or nama	nore cover.	s rei udii	(a)(1),003	-00.		
		- :			CERT	IFICATE OF S	SHOP COMPLIA	NCE			0	
We the A	certify that the SME Code for P	statem ressure	ients made i e Vessels, Se	n this report	are correct ar	nd that all detai	ils of design mat	terial, construct 792	ion, and workma expires	anship of this	ressel conform to	
	2-18-99		o. Name			/ SANDY HILL		·	Signed /	PA	<u> </u>	
_					CCDI	(Manufacturer)	CHOD INODEOT			(Representa	tive)	
	el constructed by		, a valid con	amission iss	L&V / SANDY I	HILL INC.	SHOP INSPECT	at	HUDSON F	ALLS, NEW YOR	RK_12839 .	
, "			ployed by	11111331011 133		HSB 1&1 Co.	or poller and r	ressure vess	el Inspectors ar Hartford		have inspected	
the c	omponent descri	bed in	this Manufac	turer's Data R	eport on	2/18	7	<i>969</i> and s		·	edge and belief, the	
empl	ufacturer has co oyer makes any iis employer shal	/ warra	anty, express	ed or implied,	concerning the	vith ASME Code pressure vess	le, Section VIII, D	vivision 1. By	signing this certif	icate neither the	Inspector nor his	
[2/18/99	4	igned	<i>[/\h</i>	(Authorized Inspe			nmissions	13 10961 A	NVS 5054 endorsements/State		
					, p. 23000000	/			tracionain finds	ondorsoments/ State	, i iuv. aiiu IVU.)	

1. Manu	. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839 (Name and address of manufacturer)											
2. i	actured for <u>W</u>	/ausa	u Paper Mills	Co. , Brokaw D	Div., Second St	.,, Brokaw,, V		•				
3. Locati	ion of installation	n <u>Wa</u>	usau Paper I	Vills Co., Broka	aw Div., Secon	,	,, WI 54417	•				
4. Type	Horizor v			8675-20332-20 (Mfg's seria			(Name and add NA (CRN)	131D00	0733 Rev2	6696 (Nat'l Bd. No.	1999	
	chemical and	phys	ical propert	ies of all pa	rts meet the	requirements	of material	specifications of	the ASME BO	OILER AND P) (Year built) RESSURE	
VES	SEL CODE. T	he d	esign, const	ruction, and w	orkmanship co	nform to ASME	E Rules, Section	n VIII, Division	1	1995 Year		
to _		1997			NA NA				NA			
6. Shell:	Adden		te) CL. 40		Code Case Nos. 1.00"		NA	Sp	ecial Service per UG 1 45.86"	20(d)	151.50"	
o. Oneil.			No., Grade)		Nom. Thk. (in.)		Corr. Allow. (in.)		Diam. I.D. (ft. & in.)	Len	gth (overall) (ft. & in.)	
7. Seam			·	NA	100	NA	NA NA	Seamless	NA		1	
	Long. (Weli Sngl., La		ы., К.Г.	(Spot or Full)	Eff. (%) H	.T. Temp (F)	Time (hr)	Girth (welded, Dbl., Sngl., Lap, Butt)	R.T. (Spot, F or Full)	Partial,	No. of Courses	
8. Heads	8. Heads: (a) Matl. SA278 CL.40 (b) Matl. SA278 CL.40 (Spec No., Grade) (Spec No., Grade)											
Location (Top, Bottom, Ends) Minimum Thickness Crown Allowance Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Flat Radius Flat Pressure Bottom, Ends) Thickness Allowance Radius Radius Apex Angle Radius Diameter (Convex or Concave)												
(a)	• End		2.12"	NA	38.00"	NA NA	NA	NA Apex Angle	NA NA	NA	Convex or Concave)	
(b)	End	<u> </u>	2.12"	NA NA	38.00"	NA NA	NA NA	NA NA	NA NA	NA NA	Convex	
		1					<u> </u>	<u> </u>			Convex	
If removable, bolts used (describe other fastenings) SA-193-B7, 1.00"-8 x 3.75" long 36 each end. (Matl., Spec. No., Gr., Size, No.)												
9. MAWP 150 psi at max. temp. 450 ° F												
	design metal ter zles, inspection	•			F at0	psi.	lydro., # p### .,	or d elimbi test pr	essure	300	psi.	
	Purpose		Diam.				Nom.	Reir	nforcement	How		
-	Outlet, Drain)	No.	or Size	Туре		Mat'l.	Thk.		Mat'l.	Attached	Location	
	let/Outlet	1	3.50" 10" x 16"	Core Core		78 CL.40 78 CL.40	1.25"		NA	Integral	Thru Journal	
	Manway Drain	1	.75"	NPT	3A 2	NA	1.25 NA		NA NA	Integral Drilled	Thru Crown	
	Diani	ı	./3	INFI		NA	INA		INA	Drilled	Thru Flange	
11. Sup	ports: Skirt		No	5	NA Legs	NA	Other	NA	Attach	ned S	ee Remarks	
12 Ren	narks: Manufac	turer	(Yes or no) S Partial Data		(No.) rly identified and	(No.)	mmissioned Ins	(Describe)	en furnished for th		/here and how)	
None	iamo: manarao	turor t	or artial batt	r reports proper	•			•	in turnished for th	c following itesti	a or this report.	
UG125	S Over pr	P 5 5 1	ure prot	ection nr	(Name of par Ovided els	t, item number, Mf se where	gr's name and identify	ying stamp)	emptions,S	Δ 278		
									(a)(1),UCS			
	/ SANDY H			Job #C981								
		• •	×		CERT	IFICATE OF	SHOP COMPLIA	ANCE				
							ils of design, ma horization No. _		tion, and workma expires	anship of this 3/30	vessel conform to 2000 .	
Date	2-18-99	<u>l</u> c	Co. Name	-	GL&V	/ SANDY HILL (Manufacturer)	. INC.		Signed	- Privil	ative	
					CERT		SHOP INSPEC	TION	9	(110)100011		
	el constructed b		a a valid a		SL&V / SANDY		Laf Dallan and	at		ALLS, NEW YO		
1, 1116	_		nployed by	Ominission iss	-	ASB I&I Co.	i oi boiler and	Pressure vess	el Inspectors ar Hartford		have inspected	
the co	omponent descr			acturer's Data R		2/18		1999 and s			ledge and belief, the	
Manu emplo	facturer has co oyer makes an	onstru y wai	icted this pr rranty, expre	essure vessel i essed or implied	in accordance v , concerning the	vith ASME Coo e pressure ves	de, Section VIII, sel described in	Division 1. By this Manufacture	signing this certif	ficate neither the Furthermore, n	e Inspector nor his either the Inspector	
	2/18/99		Signed	1/1/4	(Authorized Inspe		=	ommissions //	B 1996/ A 1	VVS 5054 endorsements/Stat		
					((

1. Manuf	Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839											
2. \ .	actured for V	Vausa	ıu Paper Mil	s Co. , Brokaw	Div., Second S	t.,, Brokaw,	WI 54417	s of manufacturer)				
3. Locati	on of installatio	n <u>W</u> a	iusau Paper	Mills Co., Brok	aw Div., Secor	nd St.,, Brokav	ame and address of p v,, WI 54417	•				
4. Type	Horiz	ontal		8672-20342-2 (Mfg's ser	20372		(Name and add	131D00	0733 Rev2	6678	1999	
5. The VESS	(Horiz. or chemical and SEL CODE. 1	phys	sical prope	ties of all p	arts meet the	requirements onform to ASM	(CRN) of material : E Rules, Section	(Dra specifications of on VIII, Division	wing no.) f the ASME Bo 1	1995	.) (Year built) PRESSURE	
to _		1997		_	NA				NA	Year		
6. Shell:		nda (Da	ite) 3 CL. 40		Code Case Nos.			Sp	ecial Service per UG	120(d)		
o. onen.	Mat'l.	(Spec.	No., Grade)		1.00" Nom. Thk. (in.)		NA Corr. Allow. (in.)	····	45.86" Diam. I.D. (ft. & in.)	- lac	151.50" igth (overall) (ft. & in.)	
7. Seams	s: Sean	nless		NA	100	NA	NA NA	Seamless	NA		gur (overan) (it. a. ii)	
	Long. (Wel Sngl., La	ded, Di p, Butt)	ol., R.T.	(Spot or Full)	Eff. (%)	I.T. Temp (F)	Time (hr)	Girth (welded, Dbl., Sngl., Lap, Butt)		Partial,	No. of Courses	
8. Heads	s: (a) Matl.			SA278 (Spec No.			(b) Matl		SA27	78 CL.40 lo., Grade)		
1	Location (Top, Minimum Corrosion Crown Knuckle Elliptical Conical Hemispherical Flat Side to Pressure											
				Allowance	Radius	Radius	Ratio	Apex Angle	Radius	Diameter	(Convex or Concave)	
(a) (b)	End End		2.12" 2.12"	NA NA	38.00"	NA NA	NA	NA NA	NA	NA	Convex	
				NA	38.00"	NA	NA OA 100 I	NA NA	NA	NA	Convex	
11 10	If removable, bolts used (describe other fastenings) SA-193-B7, 1.00"-8 x 3.75" long 36 each end. (Matt., Spec. No., Gr., Size, No.)											
9. MAWP												
	lesign metal ter				Fat 0	psi. H	-lydro., # p#### .,	or chamba test pr	essure	300	psi.	
10. Nozz	les, inspection	and s	afety valve	openings:							, , , , , , , , , , , , , , , , , , ,	
	Outlet, Drain)	No.	or Size	Туре		Mat'l.	Nom. Thk.	Reir	nforcement Mat'l.	How Attached	Location	
	et/Outlet	1	3.50"	Core	SA 2	78 CL.40	NA		NA	Integral	Thru Journal	
N.	/lanway	1	10" x 16"	Core	SA 2	78 CL.40	1.25"		NA	Integral	Thru Crown	
	Drain	1	.75"	NPT		NA	NA		NA	Drilled	Thru Flange	
11. Supp	orts: Skirt		No	Lugs	NA Legs	NA NA	Other	NA	Attach	hed S	ee Remarks	
12. Rema	arks: Manufac		(Yes or no) Partial Data	Renorts prope	(No.)	(No.)	mmissioned Incr	(Describe)	n furnished for th	(W	here and how)	
None			r artial Date	r reports prope					en iumisnea ior (n	e following items	s of this report:	
UG125	Over or	P S S I	ire nrot	action nr	(Name of par	t, item number, Mf	gr's name and identify	ring stamp)	emptions,S	A 070		
UC I - 1	&23. Bolt	ing.	fig. UCS	-66(e).In	ner Manway	or hand	hole cover	s Per UG11	(a)(1),UCS	A 2/8		
GL&V	/ SANDY H	ILL	INC.,	Job #C981	622		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0 1 01 0011	(4)(1),000	-00.		
		-			CFRT	IFICATE OF S	SHOP COMPLIA	ANCE				
We ce	ertify that the	stater	nents made	in this report	are correct ar	nd that all detai	ils of design, ma	iterial construct	ion, and workma	anship of this v	vessel conform to	
lile Ao	INE Code for P	ressu	re vesseis,	Section VIII, Div	rision 1. "U" Ce	rtificate of Auth	norization No.	792	expires	3/30	2000	
Date	1-28-99	<u>1</u> c	o.Name		GL&V	/ SANDY HILL	INC.		Signed	pour	1	
					CERT	(Manufacturer)	SHOP INSPEC	TION	<i>_</i>	(Representa	ative)	
	constructed by			_į , (SL&V / SANDY I	HILL INC		at	HUDSON FA	ALLS, NEW YOR	RK 12839	
I, the				ommission iss			of Boiler and	Pressure Vesse	el Inspectors ar	nd the State of	or Province of	
tha			ployed by			ISB I&I Co.		- 0.0	Hartford		have inspected	
Manufa employ	acturer has co /er makes any	nstru / wan	cted this pr	ssea or impliea	n accordance w	pressure vess	le, Section VIII, [Division 1. By	cianina thic cortifi	icate neither the	edge and belief, the Inspector nor his lither the Inspector ction.	
<u> </u>	1/28/99		Signed	///	(Authorized Inspe			mmissions <u>N</u>	B10961 A 1	V/5 5054 endorsements) State		
					1 7						,	

1. Man	. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839 (Name and address of manufacturer)												
2. N.	_iactured for \	Vausa	au Paper Mil	ls Co., Brokaw	Div., Second S	t.,, Brokaw,,	WI 5	me and addres 4417 nd address of p	,				
3. Loca	ation of installation	n <u>W</u> a	ausau Paper	Mills Co., Brok	aw Div., Secor	nd St.,, Broka	w,, W	1 54417	,				
4. Type	e Horiz	ontal		8666-20347-2		_	NA		•	0733 Rev2	6677	1999	
5. The VE	(Horiz. or chemical and SSEL CODE.	phys	sical proper	(Mfg's ser rties of all pa truction, and w	arts meet the	requirements onform to ASM	(CRN s of IE Ru	material :	specifications of	wing no.) f the ASME BO 1	(Nat'l Bd. No. PILER AND P 1995 Year	1 707 1 701	
to	Addo	1997 nda (Da	40)		NA Code Case Nos.					NA			
6. She			3 CL. 40		1.00"			NA	Sp	ecial Service per UG 12 45.86"	20(d)	454 508	
			No., Grade)		Nom. Thk. (in.)		Corr.	Allow. (in.)		45.00 Diam. I.D. (ft. & in.)	Len	151.50" gth (overall) (ft. & in.)	
7. Sea	ms: Sean	nless		NA	100	NA		NA	Seamless	NA		1	
	Long. (Wel Sngl., La			(Spot or Full)	Eff. (%)	l.T. Temp (F)	ī	ime (hr)	Girth (welded, Dbl., Sngl., Lap, Butt)	R.T. (Spot, Pa or Full)	artial,	No. of Courses	
8. Hea	ds: (a) Matl.			SA278 (Spec No.,				(b) Matl.		,	3 CL.40 ., Grade)		
	Location (Top, Bottom, Ends)	1	linimum	Corrosion	Crown	Knuckle	1	Elliptical	Conical	Hemispherical	Flat	Side to Pressure	
(a)	End	—	2.12"	Allowance NA	Radius 38.00"	Radius NA		Ratio NA	Apex Angle NA	Radius NA	Diameter NA	(Convex or Concave) Convex	
	(b) End 2.12" NA 38.00" NA NA NA NA NA Convex												
	If removable, bolts used (describe other fastenings) NA NA NA NA NA NA Convex SA-193-B7, 1.00"-8 x 3.75" long 36 each end.												
(Matt., Spec. No., Gr., Size, No.)													
9. MAWP 150 psi at max. temp. 450 ° F													
	. design metal ter zzles, inspection	•			Fat 0	psi. I	Hydro	., # pineru .,	or distribit test pr	essure	300	psi.	
,	Purpose		Diam.		T			Nom.	Reii	nforcement	How		
<u> -</u> '	Outlet, Drain)	No.	or Size 3.50"	Type		Mat'l.		Thk.		Mat'l.	Attached	Location	
	Manway	1	10" x 16"	Core Core		278 CL.40 278 CL.40		NA 1.05"		NA	Integral	Thru Journal	
	Drain	1	.75"	NPT	3A 2	NA	-	1.25" NA		NA	Integral	Thru Crown	
	- Diam	'	.73	141 1		NA .		INA		NA	Drilled	Thru Flange	
11. Su	pports: Skirt		No		NA Legs	NA	0	ther	NA	Attache		ee Remarks	
12. Re	marks: Manufac		(Yes or no) Partial Data		(No.) rly identified and	(No.)	nmnis	sioned Inst	(Describe)	n furnished for the	(W	here and how)	
None										n iumsned for the	nonowing items	or this report.	
UG12	5, Over pr	essi	ure prot	ection or	(Name of par ovided els	t, item number, Mi	in	ne and identify svstem	ring stamp)	emptions,SA	278		
UCI-	1&23. Bolt	ing.	.fig.UCS	6-66(e).In	ner Manway	y or hand	hol	e cover	s Per UG11	(a)(1),UCS-	66.		
GL&V	/ SANDY H	ILL	INC.,	Job #C981	622								
			,		CERT	IFICATE OF	SHOF	COMPLIA	ANCE				
We the A	certify that the SME Code for P	stater ressu	nents made re Vessels,	in this report Section VIII, Div	are correct ar	nd that all deta	ils of horiza	design, ma	terial, construct 792	ion, and workmai expires	nship of this v 13/30	ressel conform to 2000	
	1-28-90			· -		/ SANDY HILL				Signed /	MIC	2000	
					CEDI	(Manufacturer) IFICATE OF	SHU	D INCOEC.	TION	\overline{U}	(Representa	tive)	
	el constructed by			, (c	SL&V / SANDY I	HILL INC.			at	HUDSON FA	LLS, NEW YOF	RK 12839	
I, the				ommission iss			of E	Boiler and	Pressure Vess	el Inspectors and	the State of	r Province of	
			nployed by			ISB 1&I Co.				Hartford,	CT.	have inspected	
Manı	omponent descri ufacturer has co over makes an	nstru	cted this pr	essure vesseli	n accordance w	vith ASME Coo	de, Se	ction VIII	Division 1 Rv	signing this certific	rate neither the	edge and belief, the Inspector nor his	
nor h	is employer shall	be lia	able in any n	nanner fog any p	ersopel injury o	r property dam	aei ae iage c	r a loss of	any kind arising f	rs Data Report. From or connected	·urmermore, ne with this inspec	ither the Inspector	
D.	1/28/99		Signed	///a/	(Authorized Inspe					810961 A N	V5 5054		
					(Consolized Hispe	L. COLO				(Nat'l Board (incl. e	ndorsements) State,	Prov. and No.)	

1. Ma	Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839 (Name and address of manufacturer)												
2. i.	(Name and address of manufacturer) 2. 1												
3. Loc	ation of installation	on Wa	ausau Paper	Mills Co. , Brol	(aw Div., Secon	d St.,, Brokav	w., WI 54417	, 		-			
4. Typ	e Hori:	zontal		8664-20466-			(Name and add	•	0733 Rev2	6676	1999		
5. The	(Horiz. or	vert, ta	^{nk)} sical proper	(Mfg's se	rial No.) arts meet the	requirements	(CRN)		wing no.) f the ASME BC				
VE	ESSEL CODE.	The d	lesign, const	ruction, and v	workmanship co	nform to ASM	s of material s F Rules Section	specifications of an VIII Division	rtne ASME BC 1				
			•	•			- 110.00, 000.00	iii viii, Division	·	1995 Year			
to	Adde	1997 enda (Da	nte)		NA Code Case Nos.				NA NA	00/ 1			
6. She			3 CL. 40		1.00"		NA	5,	pecial Service per UG 12 45.86"	2U(d)	454 508		
	Mat'l	. (Spec.	No., Grade)		Nom. Thk. (in.)		Corr. Allow. (in.)		Diam. I.D. (ft. & in.)	Len	151.50" igth (overall) (ft. & in.)		
7. Sea		nless		NA	100	NA	NA	Seamless	NA		1		
	Long. (We Sngl., L	ap, Butt)	ol., R.T. :)	(Spot or Full)	Eff. (%) H	.T. Temp (F)	Time (hr)	Girth (welded, Dbl., Sngl., Lap, Butt)	R.T. (Spot, Por Full)	artial,	No. of Courses		
8. Hea	ads: (a) Matl.			SA278	CL.40		(b) Matl.	ongi., cap, botty	•	3 CL.40			
Г				(Spec No.	, Grade)				(Spec No				
	Location (Top, Minimum Corrosion Crown Knuckle Elliptical Conical Hemispherical Flat Side to Pressure Bottom, Ends) Thickness Allowance Radius Radius Ratio Apex Angle Radius Diameter (Convex or Concave)												
(a)	End		2.12"	NA	38.00"						(Convex or Concave)		
(b)	End					NA	NA	NA NA	NA	NANA	Convex		
			2.12"	NA	38.00"	NA NA	NA	NA NA	NA	NA	Convex		
1	If removable, bolts used (describe other fastenings) SA-193-B7, 1.00"-8 x 3.75" long 36 each end. (Matl. Spec. No. Gr. Size No.)												
9. MAWP 150 psi at max. temp. (Matl., Spec. No., Gr., Size, No.)													
Min	Min. design metal temp. 32 ° F at 0 psi Hudro water as a public temp.												
	zzles, inspection	,			- ut	psi. 1	iyuio., ipinau .,	or cumus test pr	essure	300	psi.		
<i>[1</i>	Purpose		Diam.				Nom.	Reir	nforcement	How	 		
 	Outlet, Drain)	No.	or Size 3.50"	Туре		Mat'l.	Thk.		Mat'l.	Attached	Location		
-		+		Core		78 CL.40	NA NA		NA	Integral	Thru Journal		
-	Manway	1	10" x 16"	Core	-	78 CL.40	1.25"		NA	Integral	Thru Crown		
	Drain	1	.75"	NPT		NA	NA		NA	Drilled	Thru Flange		
11. St	pports: Skirt		No	Lugs	NA Legs	NA	Other	NA	Attache	ed Se	ee Remarks		
12. Re	marks: Manufac		(Yes or no) Partial Data	Renorts prope	(No.)	(No.)	mmissioned leav	(Describe)	n furnished for the	(W	here and how)		
None	·	· curor c	, artiur Data	ricporta prope	ny identined and	signed by Co	immissioned insp	ectors have bee	n turnished for the	following items	of this report:		
1104.0	P.F. O				(Name of part	, item number, Mfo	gr's name and identifyi	ing stamp)					
UG 12	1823 Polt	essu	fire prote	ection pr	ovided els	e where	in system.	Impact ex	emptions,SA	278			
GL &V	/ / SANDY H	111 <u>9.</u>	INC	-66(e).in Job #C981	ner Manway	or hand	hole cover	s Per UG11	(a)(1),UCS-	66.			
	, 0,1101 11		7,10. ,	300 #0301									
\Mo	cortify that the				CERTI	FICATE OF S	SHOP COMPLIA	NCE					
the /	ASME Code for P	staten ressui	nents made re Vessels, S	in this report ection VIII Div	are correct an vision 1 "U" Cer	d that all detai tificate of Auth	ils of design, mai	terial, construct 792		nship of this v	ressel conform to		
1							-	192	expires , -	11/30	2000		
Date	1-28-99	C	o. Name		GL&V /	SANDY HILL (Manufacturer)	INC.		Signed		1		
					CERT		SHOP INSPECT	TION	<i>U</i>	(Representa	tive)		
Vess	sel constructed by	y		₹ ⁷ (31 &V / SANDY F	III I INC		at	HUDSON FAI	LLS, NEW YOR	2K 12839		
l, th	e undersigned,	holdin	g a valid co	mmission iss	ued by The Na	itional Board	of Boiler and F	Pressure Vesse	Inspectors and	the State of	r Province of		
	N.Y. a	nd em	ployed by _		Н	SB I&I Co.			Hartford,		have inspected		
the o	component descri	bed in	this Manufac	cturer's Data R	eport on	1/28	1	440 and s	tate that, to the be	st of my knowle	edge and belief, the		
Man	utacturer has co lover makes an	nstruc	cted this pre	ssure vesseli	n accordance wi	th ASME Cod	e, Section VIII, D	livicion 1 Pv	cianina thia cartifia	ota naithar tha	Imamaakan saa 1995		
Citip	ioyer makes any	/ wall	anty, expres	sea or imblied	. concerning the	pressure vess	el described in th	nie Manufacturer	's Data Report. From or connected	jurthormore no	ithor the Inchesion		
C	1/19/11			1///a	HH	L L - 1. 3 amili			A	waa uus iisped	don.		
	1/20/7/	S	igned	<i>y 11 4</i>	(Authorized Inspec	tor)	Con	nmissions NE		> 7054	D		
				· · · · · · · · · · · · · · · · · · ·	(mopeo				(Nat'l Board (incl. er	nuoisements) State,	riov. and No.)		

1. Mar	oufactured and co	ertified	by GL&V/S	andy Hill in	IC., 27 ALLEN S	STREET, HUD	SON FALLS, NE	W YORK 12839	9				
2. N.	2. N. actured for Wausau Paper Mills Co. , Brokaw Div., Second St.,, Brokaw,, WI 54417 (Name and address of manufacturer) (Name and address of purchaser)												
3. Loc	ation of installation	n <u>Wa</u>	usau Paper M	lills Co. , Brok	aw Div., Secon	d St.,, Brokaw	,, WI 54417	, ,					
4. Typ		ontal		8669-20348-2	0359		(Name and addr NA	131D0	0733 Rev2	6675	1999		
5. The	(Horiz. or chemical and	vert. tan phys	ik) sical propertie	(Mfg's seri	ial No.) arts meet the	requirements	(CRN)	(Dra	wing no.) f the ASME BO	(Nat'l Bd. No			
VE	SSEL CODE.	The d	esign, constr	uction, and w	orkmanship co	nform to ASMI	E Rules, Section	n VIII, Division	1	1995			
to		1997			NA					Year			
	Adde	nda (Da	te)		Code Case Nos.			Sp	NA pecial Service per UG 1	20(d)			
6. She	ll:S	A 278	CL. 40		1.00"		NA		45.86"		151.50"		
7. Sea		. (Spec. nless	No., Grade)	NA	Nom. Thk. (in.) 100	NA	Corr. Allow. (in.)	Carmina	Diam. I.D. (ft. & in.)	Len	igth (overall) (ft. & in.)		
7. 000	Long. (We	lded, Db	I., R.T. (S	Spot or Full)		.T. Temp (F)	Time (hr)	Seamless Girth (welded, Dbl.,	NA R.T. (Spot, F	Partial.	No. of Courses		
8 Hea	Sngl., La ds: (a) Matl.	ap, Butt)		SA278	CL 40		(b) Mot	Sngl., Lap, Butt)	or Full)	•			
(Spec No., Grade) (Spec No., Grade)													
	Location (Top, Minimum Corrosion Crown Knuckle Elliptical Conical Hemispherical Flat Side to Pressure Bottom, Ends) Thickness Allowance Radius Radius Ratio Apex Angle Radius Diameter (Convex or Concave)												
(2)										Diameter	(Convex or Concave)		
(a)	End	 	2.12"	NA NA	38.00"	NA NA	NA NA	NA	NA	NA NA	Convex		
	(b) End 2.12" NA 38.00" NA NA NA NA NA NA NA Convex If removable, bolts used (describe other fastenings) SA-193-B7, 1.00"-8 x 3.75" long 36 each end												
(Matt., Spec. No., Gr., Size, No.)													
9. MAWP psi at max. temp 450 ° F													
Min. design metal temp. 32 °F at 0 psi. Hydro., ####################################													
10. No	zzles, inspection	and s		enings:				·					
r	Purpose Outlet, Drain)	No.	Diam. or Size	Туре		Mat'l.	Nom. Thk.	Rei	nforcement Mat'l.	How Attached	Location		
	et/Outlet	1	3.50"	Core	SA 2	78 CL.40	NA		NA	Integral	Thru Journal		
	Manway	1	10" x 16"	Core	SA 2	78 CL.40	1.25"		NA	Integral	Thru Crown		
	Drain	1	.75"	NPT		NA	NA		NA	Drilled	Thru Flange		
11. St	pports: Skirt		No	Lugs	NA Legs	NA	Other	NA	Attach	ned S	ee Remarks		
12 Re			(Yes or no)		(No.)	(No.)		(Describe)		/W	(here and how)		
None	marks, Manulat	itui ei s	railiai Dala i	reports prope	ny tuentineu and	a signed by Co	mmissionea insp	ectors nave bee	en furnished for the	e following item:	s of this report:		
UC13	15 Over n.				(Name of par	t, item number, Mfg	gr's name and identifyi	ng stamp)					
UCI-	1823 Bolt	essi	fig IICS-	66(a) in	ovided els	se where	in system.	Impact ex	emptions,S/ (a)(1),UCS	A 278			
GL & V	/ / SANDY H	ILL.	INC., J	ob #C981	622	or mand	note covers	S FET UGIT	(a)(1),0CS	-00,			
					CEDTI	EICATE OF G	CHOD COMPLIA	NOT					
We	certify that the	staten	nents made i	in this report	are correct ar	nd that all detai	SHOP COMPLIA Is of design, mat	iNUE terial, construct	tion, and workma	anship of this	vessel_conform to		
the /	ASME Code for F	ressu	re Vessels, Se	ection VIII, Div	rision 1. "U" Cer	rtificate of Auth	orization No.	792	expires	3/30	2000		
Date	1-26-99	C	o. Name	-	GL&V	SANDY HILL	INC.		Signed 1	Phil	1		
-						(Manufacturer)				(Representa	ative)		
Ves	sel constructed b	v		[€] ((CERT L&V / SANDY I		SHOP INSPECT		HIIDSON EA	ALLS, NEW YO	DV 10000		
			g a valid coi	mmission iss	ued by The N	ational Board	of Boiler and F	at Pressure Vess	el Inspectors an	nd the State	or Province of		
			ployed by			ISB I&I Co.			Hartford		have inspected		
the	component descr	ibed ir	this Manufac	turer's Data R	eport on	1/26	1	999 and s	state that, to the be	est of my knowl	edge and helief the		
Man	ufacturer has co lover makes an	onstru	cted this pres	ssure vesseli	n accordance w	ith ASME Cod	le, Section VIII, D	ivision 1. By	signing this certifi	icate neither the	Inspector nor his either the Inspector		
nor	nis employer sha	l be lia	able in any ma	inner for any p	ersonal, injury o	r property dam	age or a loss of a	ns manulacture iny kind arising i	rs Data Report. from or connected	runnermore, ne I with this inspe	eruier ine inspector (ction.		
L	1/26/99	~	Signed	1/1/0	THINK	-		nmissions N_i		VS 5054			
<u> </u>	-1-01-1		.J.,	<u> </u>	(Authorized Inspe	cted ·				endorsements) State	, Prov. and No.)		
					· • • • • • • • • • • • • • • • • • • •)				i			

1. Manut	. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839 (Name and address of manufacturer)											
2. 1	actured for V	Vausa	Paper Mills (Co. , Brokaw D	iv., Second St	t.,, Brokaw,, V		,				
3. Locati	on of installation	n <u>Wa</u> ı	ısau Paper Mi	lls Co. , Broka	w Div., Secon	d St.,, Brokaw	,, WI 54417 (Name and add	,			-	
4. Type	Horizor v		3	3670-20340-20 (Mfg's seria	358	-	NA	131D00	733 Rev2	6674	1999	
5. The VES	chemical and	physi	ical propertie	s of all pai	rts meet the	requirements	(CRN) of material : Rules, Section	Draw specifications of on VIII, Division	ring no.) the ASME E 1	(Nat'l Bd. No. BOILER AND P 1995	RESSURÈ	
to _	Adden	1997			NA				NA	Year		
6. Shell:	Adden	1da (Dat A 279	e) CL. 40		Code Case Nos.		NIA	Spe	ecial Service per UG	120(d)	454 508	
o. onen.	Mat'l.	(Spec. I	No., Grade)		Nom. Thk. (in.)		NA Corr. Allow. (in.)		45,86" Diam. I.D. (ft. & in.)	Len	151.50" gth (overall) (ft. & in.)	
7. Seam	s: Seam	iless	1	NΑ	100	NA	NA	Seamless	NA	١	1	
	Long. (Weld Sngl., La	ded, Dbl p, Butt)	., R.T. (Sp	oot or Full)	Eff. (%) H.	.T. Temp (F)	Time (hr)	Girth (welded, Dbl., Sngl., Lap, Butt)	R.T. (Spot, or Fu	Partial, II)	No. of Courses	
8. Heads: (a) Matt. SA278 CL.40 (b) Matt. SA278 CL.40 (Spec No., Grade) (Spec No., Grade)												
Location (Top, Minimum Corrosion Crown Knuckle Elliptical Conical Hemispherical Flat Side to Pressure Bottom, Ends) Thickness Allowance Radius Radius Ratio Apex Angle Radius Diameter (Convex or Concave)												
		-			Radius	Radius	Ratio	Apex Angle	Radius	Diameter	(Convex or Concave)	
(a)	End End	1	2.12"	NA NA	38.00"	NA NA	NA NA	NA NA	NA NA	NA	Convex	
(b)		.1	2.12"	NA (38.00"	NA	NA 100	NA	NA NA	NA	Convex	
# 10	If removable, bolts used (describe other fastenings) SA-193-B7, 1.00"-8 x 3.75" long 36 each end. (Matt., Spec. No., Gr., Size, No.)											
9. MAWP 150 psi at max. temp 450 ° F												
	Min. design metal temp. 32 °F at 0 psi. Hydro., #####., or ###### test pressure 300 psi.											
	zles, inspection	and s		enings:								
	Purpose Outlet, Drain)	No.	Diam. or Size	Туре		Mat'l.	Nom. Thk.		forcement Mat'l.	How Attached	Location	
	.et/Outlet	1	3.50"	Core	SA 2	78 CL.40	NA		NA	Integral	Thru Journal	
1	Manway	1	10" x 16"	Core	SA 2	78 CL.40	1.25"		NA	Integral	Thru Crown	
	Drain	1	.75"	NPT		NA	NA		NA	Drilled	Thru Flange	
11. Supp	oorts: Skirt		No	•	NA Legs	NA	Other	NA	Attao		ee Remarks	
12. Rem	arks: Manufact		Yes or no) Partial Data F		No.) Iv identified and	(No.) I sianed by Cor	nmissioned Insi	(Describe)		w) he following item:	here and how)	
None									in rannonou for t	ano ronowing recini	or this report.	
UG125	. Over or	essu	re prote	ction pro	Name of part Name of part	t, item number, Mfg se where i	rs name and identify	ving stamp) Impact ex	amntions (SA 278		
								s Per UG11			,	
	/ SANDY H			ob #C9816					<u> </u>			
					CERTI	FICATE OF S	HOP COMPLIA	ANCE				
We co	ertify that the s	staten ressur	nents made in e Vessels, Se	n this report ction VIII, Divi	are correct an	nd that all detail	s of design, ma	aterial, constructi	on, and workn expires	nanship of this	vessel conform to	
Date	1-26-99	C	o. Name	-	GL&V	SANDY HILL	INC.		Signed	PULL		
					CERT	(Manufacturer)	SHOP INSPEC	TION		Representa	ative)	
CERTIFICATE OF SHOP INSPECTION Vessel constructed by												
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of												
l			ployed by			ISB I&I Co.			Hartfor		have inspected	
Manuf emplo	the component described in this Manufacturer's Data Report on 1/26 1999 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. 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.											
ī	1/26/99		igned	Ma	(Authorized Inspe			mmissions <u>N/3</u>	10961 A N	VV5 5054 I. endorsements) State		

1. Manuf	actured and ce	rtified	by GL&V/	SANDY HILL I	NC., 27 ALLEN			W YORK 12839	}				
2. /actured for Wausau Paper Mills Co. , Brokaw Div., Second St.,, Brokaw,, WI 54417 (Name and address of purchaser)													
3. Location	on of installatio	n <u>W</u> a	ausau Paper I	Mills Co., Bro	kaw Div., Secor	nd St.,, Brokav	v,, WI 54417	ourcnaser)					
4. Type	Horiz			8663-20350-			(Name and add	131D00	733 Rev2	6673	1999		
5. The	(Horiz, or chemical and	vert. tai phys	^{nk)} sical propert	(Mfg's se ies of all p	erial No.) Darts meet the	requirements	(CRN) of material	(Dra	wing no.) the ASME BC	(Nat'l Bd. No.	(Year built)		
VESS	SEL CODE. 1	he d	lesign, const	ruction, and	workmanship co	onform to ASM	E Rules, Section	on VIII, Division	1	1995	RESSURE		
to		1997			NA				NA.	Year			
	Adder	nda (Da			Code Case Nos.			Sp	ecial Service per UG 1:	20(d)			
6. Shell:	S	A 278	CL. 40		1.00"		NA		45.86"		151.50"		
7. Seams			No., Grade)	NIA	Nom. Thk. (in.)	NIA	Corr. Allow. (in.)		Diam. I.D. (ft. & in.)	Lenç	gth (overall) (ft. & in.)		
7. Seams	Long. (Wel		ol., R.T.	NA Spot or Full)	100 Eff. (%)	NA I.T. Temp (F)	NA Time (hr)	Seamless Girth (welded, Dbl.,	NA R.T. (Spot, P	adial	No. of Courses		
0.11	Sngl., La	p, Butt))			· · · · · · · · · · · · · · · · · · ·	. ,	Sngl., Lap, Butt)	or Full)		No. of Courses		
	: (a) Matl			SA278 (Spec No	3 CL.40 ., Grade)		(b) Matl		SA278 (Spec No	3 CL.40 o., Grade)			
Location (Top, Minimum Corrosion Crown Knuckle Elliptical Conical Hemispherical Flat Side to Pressure Bottom, Ends) Thickness Allowance Radius Radius Ratio Apex Angle Radius Diameter (Convex or Concave)													
(a)	End	_	2.12"	NA	38.00"	NA	NA	Apex Angle NA		Diameter	(Convex or Concave)		
(b)	End	+	2.12"	NA NA	38.00"	NA NA			NA NA	NA NA	Convex		
	CONCA												
If removable, bolts used (describe other fastenings) SA-193-B7, 1.00"-8 x 3.75" long 36 each end. (Matt., Spec. No., Gr., Size, No.)													
9. MAWP psi at max. temp 450 ° F													
	Min. design metal temp. 32 °F at 0 psi. Hydro., #####., or diskribit test pressure 300 psi.												
10. Nozzl	les, inspection Purpose	and s	safety valve o	penings:									
(1(Outlet, Drain)	No.	or Size	Туре		Mat'l.	Nom. Thk.	Reir	nforcement Mat'l.	How Attached	Location		
.6	et/Outlet	1	3.50"	Core	SA 2	278 CL.40	NA		NA	Integral	Thru Journal		
M	lanway	1	10" x 16"	Core	SA 2	278 CL.40	1.25"		NA	Integral	Thru Crown		
	Drain	1	.75"	NPT	_	NA	NA NA		NA	Drilled	Thru Flange		
				_					-				
11. Supp	orts: Skirt		No	Lugs	NA Legs	NA	Other	NA	Attach	ed Se	e Remarks		
12 Rema	rks: Manufac		(Yes or no)	Paparte prop	(No.)	(No.)	mmissioned lase	(Describe)	- f	(WI	sere and how)		
None	arks. Marjarac	uicis	o i aillai Dala	reports brob	eny ruenaneu ana	a signed by Co	minissioned insp	pectors have bee	n furnished for the	tollowing items	of this report:		
UC125	0				(Name of par	rt, item number, Mfg	or's name and identify	ing stamp)					
UCI - 18	223 Bolt	esst ina	fig UCS	ection pi	ovided els	se where	in system.	Impact ex	emptions,SA (a)(1),UCS-	278			
GL&V /		ILL	INC.	Job #C981	1622	y or nand	note cover	s Per UGII	(a)(1),UCS-	· bb.			
						IEIOATE OF 6							
We cei	rtify that the	stater	nents made	in this renor	CERT t are correct ar	IFICATE OF S	SHOP COMPLIA	ANCE Itarial constructi	ion and workman	nchin of this v	essel conform to		
the ASI	ME Code for P	ressu	re Vessels, S	ection VIII, Di	vision 1. "U" Ce	rtificate of Auth	orization No.	792	expires	1131111 of this v 13/30.	esser conform to 2000		
Date	1-26-99	С	o. Name		GI &V	/ SANDY HILL	INC.		Signed	Pall	7		
						(Manufacturer)				(Representat	ive)		
Veccel	constructed by			قْرِ			SHOP INSPECT						
			q a valid co		GL&V / SANDY I sued by The N	ational Board	of Boiler and	at Pressure Vesse	HUDSON FA Inspectors and	LLS, NEW YOR	K 12839 .		
			ployed by			HSB I&I Co.		11000010 10000	Hartford,		have inspected		
the com	nponent descri	bed ir	this Manufa	cturer's Data I	Report on	1/26		<i>999</i> and s	tate that to the be	est of my knowle	dre and helief the		
Manufa	cturer has co	nstru	cted this pre	ssure vessel	in accordance w	vith ASME Cod	e. Section VIII. [Division 1. By	signing this certific	cate neither the	Inspector per his		
- citibioa	er makes any	wan	ranty, expres	isea or implied	1. concernina the	e pressure vess	iel described in t	his Manufacturer	's Data Report. From or connected	Furthermore nei	ther the Inchector		
	halaa	4			p1 1 /	y property dalls			•		uUII.		
D -	1/26/99	s	Signed	- V''	(Authorized Inspe	ector)	Cor	mmissions <u>N</u>		5 5054 ndorsements) State,	Prov. and No.		
			· · · · · · · · · · · · · · · · · · ·		1 ((mail board (IIICI, 8	noorsements) State,	r 10V. attu NO.)		

1. Manu	Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839 (Name and address of manufacturer)											
2. h	actured for V	Vausa	u Paper Mills	Co., Brokaw [Div., Second S	t.,, Brokaw,, \		,				
3. Locat	ion of installatio	n <u>W</u> a	usau Paper M	fills Co. , Broka	aw Div., Secon	nd St.,, Brokav	v., WI 54417	,				
4. Type		ontal		8665-20351-20			(Name and add NA	131D00)733 Rev2	6672	1999	
5. The VES	(Horiz. or chemical and SEL CODE.	phys	ical properti	(Mfg's serion) es of all pa uction, and w	rts meet the	requirements onform to ASMI	(CRN) of material s E Rules, Sectio	(Drav specifications of n VIII, Division	ving no.) the ASME Bo	(Nat'l Bd. No. OILER AND P 1995 Year) (Year built) RESSURE	
to	A.J.	1997 nda (Da	1-1		NA				NA			
6. Shell:			CL. 40		Code Case Nos. 1.00"		NA	Spi	ecial Service per UG 45.86"	120(d)	454 50E	
	Mat'l.	(Spec.	No., Grade)		Nom. Thk. (in.)		Corr. Allow. (in.)		45.66 Diam. I.D. (ft. & in.)	Len	151.50" gth (overall) (ft. & in.)	
7. Seam	is: Sean	nless	D T //	NA	100	NA	NA	Seamless	NA		1	
	Sngl., La	p, Butt)	n., R.1. (S	Spot or Full)	Eff. (%) H	I.T. Temp (F)	Time (hr)	Girth (welded, Dbl., Sngl., Lap, Butt)	R.T. (Spot, l or Full	Partial,)	No. of Courses	
8. Head:	s: (a) Matl.			SA278 ((Spec No.,			(b) Matl.			'8 CL.40 lo., Grade)		
	Location (Top, Bottom, Ends)	1	1	Corrosion Allowance	Crown	Knuckle	Elliptical	Conical	Hemispherical	Flat	Side to Pressure	
(a)	End	1	2.12"	NA	Radius 38.00**	Radius NA	Ratio NA	Apex Angle NA	Radius NA	Diameter NA	(Convex or Concave)	
(b)	End	+	2.12"	NA	38.00"	NA NA	NA NA	NA NA	NA NA	NA NA	Convex Convex	
	If removable, bolts used (describe other fastenings) SA-193-B7, 1.00"-8 x 3.75" long 36 each end.											
Q MANN	(Matl., Spec. No., Gr., Size, No.)											
9. MAWP 150 psi at max. temp. 450 °F Min. design metal temp. 32 °F at 0 psi. Hydro., #####., or d##### test pressure 300 psi.												
	zles, inspection	٠.			rat	psi.	tydro., Ipined .,	or dalantal test pro	essure	300	psi.	
	Purpose Outlet, Drain)	No.	Diam. or Size			M-47	Nom.	· ·	forcement	How		
<u>-</u>	et/Outlet	1	3.50"	Type Core		Mat'l. 278 CL.40	Thk.		Mat'l. NA	Attached	Location	
	Manway	1	10" x 16"	Core		278 CL.40	1.25"		NA	Integral	Thru Journal Thru Crown	
	Drain	1	.75"	NPT	0,712	NA	NA		NA	Integral Drilled	Thru Flange	
							1,7,7		101	Diffied	This riange	
11. Sup	ports: Skirt		No		NA Legs	NA	Other	NA	Attacl	hed Se	ee Remarks	
12. Rem	narks: Manufac		(Yes or no) Partial Data		No.) Iv identified and	(No.)	mmissioned Inst	(Describe)	n furnished for th	(Wing items	here and how)	
None				- coponio propor					ir iuriisiied ioi tii	ie following Rems	or this report.	
UG125	. Over pr	essi	ure prote	ection pro	Name of par vided els	t, item number, Mfg se where	gr's name and identify	ing stamp)	emptions,S	Δ 278		
<u>UCT-1</u>	&23. Bolt	ing.	fig.UCS-	66(e).Inr	ner Manway	y or hand	hole cover	s Per UG11	(a)(1),UCS	-66.	-	
GL&V	/ SANDY H	ILL	INC., J	lob #C9816	522							
					CERT	IFICATE OF S	SHOP COMPLIA	NCE				
the AS	ertify that the SME Code for P	staten ressu	nents made re Vessels, Se	in this report ection VIII. Divi	are correct ar	nd that all detain	ils of design, ma norization No.	terial, constructi 792	on, and workma expires	anship of this v	ressel conform to	
	1-26-99								' <u>,</u>	カルガ		
Date	1 26 11		o. Name		GL&V	/ SANDY HILL (Manufacturer)	INC.		Signed 5	(Representa	tive)	
Vonne	l complements of the			£ 0			SHOP INSPECT	ΓΙΟΝ				
	l constructed by undersigned, i		g a valid co	G mmission issu	L&V / SANDY I Jed by The N	HILL INC. ational Board	of Boiler and I	at Pressure Vesse	HUDSON F/ Inspectors ar	ALLS, NEW YOR	RK 12839 .	
			ployed by			HSB I&I Co.	o. 201101 and	70000	Hartford		have inspected	
the co	mponent descri	bed ir	this Manufac	turer's Data Re	eport on	11/6		gaa and st	tate that, to the h	est of my knowle	edge and helief the	
emplo	yer makes any	wan	anty, expres	sed or implied.	concerning the	pressure vess	sel described in tl	Division 1. By s	sianina this certif	icate neither the	Inspector nor his	
	1/26/9			1/10	1/2/				B10961 A	NVS 5054	4	
L		-		- /	(Authorized Inspe	ector)			(Nat'l Board (incl.	endorsements) State,	Prov. and No.)	

1. Manı	Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839 (Name and address of manufacturer)											
2. N.	ctured for <u>V</u>	Vausa	ıu Paper M	ills Co. , Brokaw	Div., Second S	t.,, Brokaw,,		·				
3. Loca	tion of installatio	n <u>W</u> a	iusau Pape	r Mills Co. , Brol	aw Div., Secon			,				
4. Type	Horiz (Horiz. or	ontal	<u></u>	8668-20335-2 (Mfg's se	20366	·-	NA (CRN)	131D00)733 Rev2	6671 (Nat'l Bd. No.)	1999	
	chemical and	phys	sical prope	erties of all p	arts meet the		of material s E Rules, Section	pecifications of	wing no.) the ASME BC 1	OILER AND P 1995 Year) (Year built) RESSURE	
to	Adder	1997			NA				NA			
6. Shell	Adder I· C	nda (Da A 279	ite) 3 CL. 40		Code Case Nos. 1.00"		NA	Sp	ecial Service per UG 1 45.86"	20(d)	151 50"	
o. Onch	Mat'l.	(Spec.	No., Grade)		Nom. Thk. (in.)		Corr. Allow. (in.)		Diam. I.D. (ft. & in.)	Leng	151.50" gth (overall) (ft. & in.)	
7. Sear				NA	100	NA	NA	Seamless	NA		1	
	Long. (Wel Sngl., La	ded, Dt p, Butt)	ol., R.`)	T. (Spot or Full)	Eff. (%)	I.T. Temp (F)	Time (hr)	Girth (welded, Dbl., Sngl., Lap, Butt)	R.T. (Spot, F or Full)		No. of Courses	
8. Head	8. Heads: (a) Matl. SA278 CL.40 (b) Matl. SA278 CL.40 (Spec No., Grade) (Spec No., Grade)											
	Location (Top, Bottom, Ends)	1	linimum	Corrosion Allowance	Crown	Knuckle	Elliptical	Conical	Hemispherical	Flat	Side to Pressure	
(a)	End		2.12"	NA	Radius 38.00"	Radius NA	Ratio NA	Apex Angle NA	Radius NA	Diameter NA	(Convex or Concave) Convex	
(b)	End	+	2.12"	NA	38.00 "	NA NA	NA NA	NA NA	NA NA	NA	Convex	
	If removable, bolts used (describe other fastenings) SA-193-B7, 1.00"-8 x 3.75" long 36 each end.											
O MAN	(Matl., Spec. No., Gr., Size, No.)											
9. MAWP												
	zzles, inspection	•	afety valve		rai	psi. I	¬yuro., ≀præu .,	or c ommor test pr	essure	300	psi.	
	Purpose Outlet, Drain)	No.	Diam. or Size			Mat'l.	Nom.	Reir	nforcement	How	1	
<u> </u>	.et/Outlet	1	3.50"	Type Core		278 CL.40	Thk.		Mat'l. NA	Attached Integral	Location Thru Journal	
	Manway	1	10" x 16	-		278 CL.40	1.25"		NA NA	Integral	Thru Crown	
	Drain	1	.75"	NPT		NA	NA		NA	Drilled	Thru Flange	
11. Su	pports: Skirt		No	Lugs	NA Legs	NA	Other	NA	Attach		ee Remarks	
12. Rei	marks: Manufac	turer's	(Yes or no) s Partial Da	ata Reports prope	(No.) erly identified an	(No.) d signed by Co	ommissioned Insp	(Describe) ectors have bee	en furnished for th		here and how)	
None										- Tollowing Konk	or the report.	
UG12	5. Over pr	ess	ure pro	tection or			fgr's name and identifyi		emptions,S	A 278		
									(a)(1),UCS			
GL&V	/ SANDY H	ILL	INC.,	Job #C981	1622							
	-	-	-, ,				SHOP COMPLIA					
We of	certify that the SME Code for P	state: ressu	ments mad ire Vessels	de in this repor Section VIII Di	t are correct a vision 1 "U" Ce	nd that all deta	ills of design, ma horization No.	terial, construct 792	tion, and workma expires	anship of this \ 3 /3 0	vessel conform to 2000	
	1-26-99			-					•	TPhUi	2000	
Date	10011		Co. Name _		GL&V	/ SANDY HILL (Manufacturer)	_ INC.		Signed	(Representa	ative	
							SHOP INSPECT	TION				
	el constructed b e undersianed.		ng a valid		GL&V / SANDY sued by The N		of Boiler and	at Pressure Vess	HUDSON F/ el Inspectors ar	ALLS, NEW YOR	RK 12839	
			nployed by		-	HSB I&I Co.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Hartford		have inspected	
the c	omponent descr	ibed i	n this Manu	ufacturer's Data I	Report on	1/26	1	999 and s			edge and belief, the	
empl	loyer makes an	y wai	rranty, exp	ressed or implied	d, concerning the	e pressure ves	sel described in t	his Manufacture	r's Data Report.	Furthermore, ne	Inspector nor his either the Inspector	
11011	no cimpioyer arial			manner for any	A no.	or property dam			from or connected	u wiui uiis insped :// حراد التعريب	GUON.	
	1/26/49	;	Signed	HIEL	(Authorized Insp	ector	Cor	nmissions <u>///</u>		y 5054 endorsements) State	, Prov. and No.)	
											· · · · · · · · · · · · · · · · · · ·	

1. Man	ufactured and ce	ertified	by GL&V/	SANDY HILL II	NC., 27 ALLEN S	STREET, HUD		W YORK 12839				
2.1	actured for	Vausa	u Paper Mills	Co., Brokaw	Div., Second S	t.,, Brokaw,,	Wi 54417	s of manufacturer)				
3. Loca	ation of installation	n <u>Wa</u>	usau Paper I	Mills Co. , Brol	kaw Div., Secon	א) id St.,, Brokav	ame and address of p v,, WI 54417					
4. Type		ontal		8667-20349-2			(Name and add		733 Rev 2	6670	1999	
5. The VE	(Horiz. or chemical and SSEL CODE.	phys	ical propert	Mfg's se) ies of all p ruction, and v	arts meet the	requirements	(CRN) of material E Rules, Section	(Draw specifications of on VIII, Division	ving no.) the ASME BC 1	(Nat'i Bd. No DILER AND F 1995	PRESSURE	
to		1997			NA				NA	Year		
		nda (Dal		_	Code Case Nos.		·····	Spi	ecial Service per UG 12	20(d)		
6. Shel	l: S	(Spec	CL. 40 No., Grade)		1.00" Nom. Thk. (in.)		NA Corr. Allow. (in.)		45.86"		151.50"	
7. Sear		nless	No., Grade,	NA	100	NA	NA	Seamless	Diam. I.D. (ft. & in.) NA	Ler	ngth (overall) (ft. & in.)	
	Long. (We Sngl., La		l., R.T.	(Spot or Full)		.T. Temp (F)	Time (hr)	Girth (welded, Dbl.,	R.T. (Spot, P	artial,	No. of Courses	
8. Head	3. Heads: (a) Matl. SA278 CL.40 (b) Matl. SA278 CL.40 (Spec No., Grade) (Spec No., Grade)											
Location (Top, Minimum Corrosion Crown Knuckle Elliptical Conical Hemispherical Flat Side to Pressure												
	Bottom, Ends)	1		Allowance	Radius	Radius	Ratio	Apex Angle	Radius	Diameter	(Convex or Concave)	
(a)	End	+	2.12"	NA NA	38.00"	NA NA	NA NA	NA NA	NA	NA	Convex	
_	(b) End 2.12" NA 38.00" NA NA NA NA NA NA Convex											
IT	If removable, bolts used (describe other fastenings) SA-193-B7, 1.00"-8 x 3.75" long 36 each end.											
9. MAWP 150 psi at max. temp. 450 ° F												
Min.	design metal ter	mp.	3	2	°Fat 0	psi.	-lydro., ####################################	or duimbut test pr	essure	300	psi.	
10. No	zzles, inspection	and s		penings:				·				
(1 .	Purpose Outlet, Drain)	No.	Diam. or Size	Туре		Mat'l.	Nom. Thk.	ľ	forcement Mat'l.	How Attached	Location	
	₁et/Outlet	1	3.50"	Core	SA 2	78 CL.40	NA		NA	Integral	Thru Journal	
	Manway	1	10" x 16"	Core	SA 2	78 CL.40	1.25"		NA	Integral	Thru Crown	
	Drain	1	.75"	NPT		NA	NA		NA	Drilled	Thru Flange	
												
11. Su	pports: Skirt		No (Yes or no)	Lugs	NA Legs	NA (No.)	Other	NA NA	Attach		ee Remarks	
12. Re	marks: Manufac			Reports prope			mmissioned Ins	(Describe) pectors have bee	n furnished for the	۷) followina item e	where and how)	
None												
UG12	5, Over pr	essu	ıre prot	ection pr	Name of par Ovidedels	t, item number, Mr se where	gr's name and identify in system.	_{/ing stamp)} Impact ex	emptions,SA	278		
UCI-	1&23. Bolt	ing.	fig.UCS	-66(e).lr	ner Manway	y or hand	hole cover	s Per UG11	(a)(1),UCS-	-66.		
GL&V	/ SANDY H	ILL	INC.,	Job #C981	622							
							SHOP COMPLIA					
We the A	certify that the SME Code for P	staten	nents made	in this report	t are correct ar	nd that all deta	ils of design, ma	aterial, constructi 792			vessel conform to	
									expires	3/30	2000	
Date	1-26-99	C	o. Name		GL&V	/ SANDY HILL (Manufacturer)	. INC.		Signed	h / (Represent	atival	
					CERT		SHOP INSPEC	TION		(периезени	auve)	
Vess	el constructed b	y bol din	Valid -	šį (GL&V / SANDY	HILL INC.		at	HUDSON FA	LLS, NEW YO	RK 12839 .	
ı, ur			y a valid co iployed by	ommission is:		ational Board ISB 1&1 Co.	of Boller and	Pressure Vesse	Inspectors and			
the c	omponent descr		· · · -	ecturaria Data F		. hi		dod and a	Hartford,		have inspected	
Mani empl	ufacturer has co oyer makes an	onstruc y wan	cted this pro	essure vessel ssed or implied	in accordance w	pressure vess	de, Section VIII, sel described in	Division 1. By a this Manufacturer	sianina this certific	cate neither the	ledge and belief, the lnspector nor his either the Inspector ction.	
	1/26/9	9 s	igned	1/12	(Authorized Inspe	ector)	Co	mmissions <u>M</u>		1/5 5054	Orny and No.	
	· · · · · · · · · · · · · · · · · · ·				(Floritorized Hispe	,0:01)			(Nat'l Board (incl. e	moorsements) State	s, riov. and No.)	

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS

(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Mar	Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839 (Name and address of manufacturer)											
2. N.	actured for V	Vausa	u Paper Mills	Co., Brokaw	Div., Second S	t.,, Brokaw,,		,				
3. Loc	ation of installatio	n <u>Wa</u>	usau Paper N	/lills Co. , Brok	aw Div., Secon	d St.,, Brokav	v., WI 54417 (Name and a	. ,	-			
4. Typ	e Horiz			8662-20467-2	0367		NA`	131D00	733 Rev 2	6669	1999	
5. The	(Horiz. or chemical and	vert, tar phys	ik) sical properti	(Mfg's ser es of all pa	al No.) arts meet the	requirements	(CRN) of material	(Dra specifications of	wing no.)	(Nat'l Bd. No	(Year built)	
VE	SSEL CODE. 1	he d	esign, constr	uction, and w	orkmanship co	onform to ASM	E Rules, Sec	tion VIII, Division	1	1995	NEOGONE	
to		1997			NA				NA NA	Year		
	Adde	nda (Da			Code Case Nos.			Sp	ecial Service per UG 1	120(d)		
6. She	ell: S	A 278	CL. 40 No., Grade)		1.00" Nom. Thk. (in.)		NA		45.86"		151.50"	
7. Sea			No., Grade)	NA	100	NA	Corr. Allow. (in.) NA	Seamless	Diam, I.D. (ft. & in.) NA	Len	gth (overall) (ft. & in.)	
000	Long. (Wel	ded, Db	ol., R.T. (Spot or Full)		I.T. Temp (F)	Time (hr)	Girth (welded, Dbl.,	R.T. (Spot, F		No. of Courses	
8. Hea	Sngt., La ads: (a) Matl.			SA278	CL 40		(b) Matl.	Sngl., Lap, Butt)	or Full) SA27) 8 CL.40		
ÇC	(Spec No., Grade) (Spec No., Grade)											
Location (Top, Minimum Corrosion Crown Knuckle Elliptical Conical Hemispherical Flat Side to Pressure Bottom, Ends) Thickness Allowance Radius Radius Ratio Apex Angle Radius Diameter (Convex or Concave)												
(a)	End	1	2.12"	NA NA	38.00"	NA NA	NA Ratio	Apex Angle NA	Radius NA	Diameter	(Convex or Concave)	
(b)	End		2.12"	NA NA	38.00"	NA NA	NA NA	NA NA	NA NA	NA NA	Convex	
	If removable, bolts used (describe other fastenings) SA-193-B7, 1.00"-8 x 3.75" long 36 each end.											
(Matl., Spec. No., Gr., Size, No.)												
9. MAWP 150 psi at max. temp 450 ° F												
	Min. design metal temp. 32 °F at 0 psi. Hydro., #####., or distribut test pressure 300 psi. 0. Nozzles, inspection and safety valve openings:											
10. No	zzles, inspection Purpose	and s	safety valve o Diam.	penings:			Nom.	Pai	nforcement	How		
('	Outlet, Drain)	No.	or Size	Туре		Mat'l.	Thk.		Mat'l.	Attached	Location	
	.iet/Outlet	1	3.50"	Core	+	278 CL.40	NA NA		NA	Integral	Thru Journal	
	Manway	1	10" x 16"	Core	SA 2	278 CL.40	1.25'	•	NA	Integral	Thru Crown	
	Drain	1	.75"	NPT		NA	NA NA		NA	Drilled	Thru Flange	
11. Sı	upports: Skirt		No (Yes or no)	Lugs	NA Legs	NA (No.)	_ Other	NA (Describe)	Attach		ee Remarks	
12. Re	emarks: Manufac			Reports prope			ommissioned Ir	(Describe) Inspectors have bee	en furnished for th	۷) e followina item	here and how) s of this report:	
None												
UG12	25. Over pr	essi	ure prot	ection pr	(Name of par ovided els	nt, ntem number, Mi se where	fgr's name and ider in system	ntifying stamp) n. Impact ex	emptions S	Δ 278		
UCI-	-1&23. Bolt	ing	fig.UCS	-66(e).ln	ner Manwa	y or hand	hole cove	ers Per UG11	(a)(1),UCS	-66.		
GL&	/ / SANDY H	ILL	INC.,	Job #C981	622							
							SHOP COMP					
We	certify that the	state	ments made	in this report	are correct ar	nd that all deta	ils of design,	material, construc		anship of this	vessel conform to	
	ASME Code for P			ection VIII, Div	ision I. U Ce	ertificate of Aut	norization No.	792	expires	2730	2000	
Date	1-24-99	_ 0	o. Name		GL&V	/ SANDY HILL (Manufacturer)	INC.		Signed	f Marrows		
					CERT		SHOP INSPE	CTION	<i>O</i>	(Represent	auve)	
	sel constructed b			- ^{\$} { (GL&V / SANDY	HILL INC.		at	HUDSON FA	ALLS, NEW YO	RK 12839 .	
1, 1				ommission iss			d of Boiler an	d Pressure Vess				
+60			nployed by	-tt-D-t-F		HSB 1&1 Co.		1000	Hartford	·	have inspected	
	component descr iufacturer has co					1/26 with ASME Cod	de Section VII	1999 and s	state that, to the b	est of my knowl	edge and belief, the Inspector nor his	
emp	oloyer makes an	y war	ranty, expres	ssed or implied	, concerning the	e pressure ves	sel described i	in this Manufacture	r's Data Report.	Furthermore, ne	either the Inspector	
nor	, ,	<u>.</u>		anner tor any i	personal injury o	r property dam		of any kind arising		d with this inspe	ction.	
L	1/26/9	9_9	Signed		al Tras			Commissions /		NYS 5054		
L	/	-	······································	<u> </u>	(Authorized Inspe	ector)			(Nat'l Board (incl.	endorsements) State	e, Prov. and No.)	