

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

. Manufactured	and certif	iea by	,														
Manufactured	for						(Name	W M	GTL, Inc	enufacturer)							
Location of ins	tallation			3201 N	/losely	Road	(Name	and add Okla h	dress of Pu noma_Ci	rchaser) ty, Oklaho i	na	7314	1				
IVNO. HA	rizontai			Δι	r Swet	om / S	ivnase	Pron	aater / H	24NA Evch	anaar\				IVDA_8		
. Type: <u>Ho</u>	z., vert., or s	phere)			005	(Tank,	, separato	r, jkt. Ve	essel, heat	exh., etc.)	0			(M	fg's serial N	lo.)	
(Horz, vert., or sphere) N/A (CRN) 5. ASME Code, Section VIII, Div			U3596HE1 Rev. 2 (Drawing No.)					<u> </u>	 .	(Nat'	. Bd. No.)		_		20 (Year	Built)	
			/. 1 <u> </u>	. 12007 / A-08						N/A					rvice per U	2.400(4)	
ems 6-11 incl. to	be comp	leted	for sin	gle wall	vesse	s, jack	kets of ja	acket	ed vesse	els, shell of	heat ex	chang	ers, or				
Shell (a) No.	of course	e(s):	1	3					(ft & in.)	:	4'-8	13/16'				T	
Course(s)		Material			Thickness		1		Joint (Cat. A)	1	Circum, Join					Treatment	
lo. Diameter, in.	Length (f		- 1				. Corr.			II, Spot, None					ne Eff.		
1 8.625" OD	2'-6			312 316 312 316			" NON			FULL	100%			ULL			**
8.625" OD	1'-6 13	3/16"	JA-	312 310	7310L	.322'	" NON	E S	E	FULL	100%	1	F	ULL	100%	**	**
Heads: (a)			N	/A							<u> </u>	N/A	<u> </u>				
ileaus. (a)	(Mat'l	Spec. I		de or Type) H.T. –	Γime & T	Temp.			(N	lat'l Spec.			ype) H.T	Time &	Temp.	····
T	-	Т			T	T					T					··········	
Location (Top,				dius	Ellipi		Conical	ı	mispherica			to Pres			Categ		T
Bottom, Ends)	Min.	Corr.	Crown	Knuckle	Rai		Apex Ang	jie	Radius	Diameter	Conv		oncave	Type	Full, Spo	·	Eff.
			P274														
1												!		1	L	<u>-</u>	
			e otnei	r taetanı	ına					N/A							
removable, bolts Type of jacket If bar, give din	nensions				N/A	N/.	/A		·	Jacket closu	ire		(Describ	If bolte	ed, desci	ibe or	sketch.
Type of jacket If bar, give din MAWP 80 (internal	nensions -15	(FV)	_ psi a	ıt max. t	N/A	N/	/A 00 rnal) (e	1000 external	°F	Jacket closu Min. de	sign me	 etal te	(Describ	If bolte -20	ed, desci °F at	ibe or 80	sketch. _ psi.
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emovable, bolts Type of jacket If bar, give din MAWP 80 (interns) Impact test Hydro., pneu. ms 12 and 13 ts . Tubesheet: Tubes: ms 14-18 incl. ts Shell (a) No Course(Diameter, in. 8.625" OD Heads: (a) Heads: (a)	nensions -15 al) ext or comb be comp (2) SB-4 Stationar Floating (SB-407 Mat'l Spec. of cours s) Length (ft & 1' - 1 ½"	6 (FV) emal) o. test oleted 409 A y (Mat'l N/A Mat'l S Alloy No., Gri pleted e(s) SB-56 Spec. N	(Indice press. If for tultilloy 80 Spec. No. 800H adde or Ty of for instance of Spec./G	cate yes or 104 De section (DH	N/A No roo and 4 psignons. 8 the point of the psignons on the psignon of the psignon on the psignon of the psignon on the psignon of the psignon on the psignon on the psignon on the psignon on the psignon of the psignon on the psignon of the psignon on the psignon of th	N// 100 (inter (UHA) the comp (subject N/A) , in. 20 (b) O Thickner om. 500" N	A 000 (e 51 (g) ponent(s) to press.) Reted ve overall less Corr. NONE 1 NONE 1	Non- Nor- Nor- Nor- Nor- Nor- Nor- Nor- Nor	or chan (ft & in.) Long Joi Full, Spc FU	Min. de Min. de Con Con regauge net (Cat. A) ot, None E L (M	sign me at to at to Allow., ir Ni Allow., ir Ni exchai 3' - 2	No., Green	(Describ mp mperat I/A Joint (C: II, Spot, N FULL ALL(ade or Ty	Attach Attach OY 80	Welded MA Attachme Straig VPe (Straigt C) HEff. Te 00% 165	eat Treamp. Temp.)	sketch. psi. °F.
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FORM U-1 (Back)

	30 ern		<u>FV)</u> psiat m ernal)	ax. temp.	1500 (internal)	1500 (external)		Min. design me	tal temp	<u>-20</u> °F at _	80	psi.
17. Impact test _					51 (g) UNF			<u> </u>	at test tem	perature of _	N/A	_ °F.
18. Hydro., pneu.	_	ar comb te			ne component(s)	of test	•		N/A			
			,		<u>. </u>	oriest.			N/A	· ·	-	
19. Nozzles, insp Purpose (Inlet,					terial	No	zzle	Reinforcement	How A	ttached	Location	<u></u>
		Or Size	Type	IVIA	lenar		ness	Material	I IOW A	llacified	Localic	"
etc.)	L			Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	(Insp. Op	en.)
CHANNEL IN	1	3"	600# RFWN	SB-407	SB-564	0.438"	NONE	N/A	UW 16.1(e)	FIG. 2-4 (6)	CHANN	EL
CHANNEL OUT	1	3"	600# RFWN	SB-407	SB-564	0.438"	NONE	N/A	UW 16.1(e)	FIG. 2-4 (6)	CHANN	EL
SHELL IN	1	4"	300# RFWN	SA-312 316/316L	SA-182 316/316L	0.237"	NONE	N/A	UW 16.1(e)	FIG. 2-4 (6)	SHEL	L
SHELL OUT	1	4"	300# RFWN	SA-312 316/316L	SA-182 316/316L	0.237"	NONE	N/A	UW 16.1(e)	FIG. 2-4 (6)	SHEL	L
PSV-241	1	2"	600# RFWN		SB-564	0.344"	NONE	N/A	UW 16.1(e)	FIG. 2-4 (6)	CHANN	EL
PSV-242	1	2"	300#RFWN	SA-312 316/316L	SA-182 316/316L	0.218"	NONE	N/A		FIG. 2-4 (6)	SHEL	L
20. Supports: Sk	irt	No	Lugs	N/A		V/A	Others	Saddle	s Atta	ched She	II Welded	<u></u>
21. Manufacture following iten	r's ns	(Yes or no Partial Da of the rep	ita Reports pi	(No.) operly iden name of pa	tified and sig	No.) Ined by Der, mfg	Commis 's. name	(Describ ssioned Inspect and identifying	ors have bee	(Wr en furnished fo	ere and how or the	/)
22 Remarks: _** _*** 8" Singl	Sh e l	nell to Tub Jnrestrair	esheet weld ned Expansio	1650°F for on Joint, #2	r 1 ½ hrs pe 2784-02, Lor	r UNF-5 tz Manı	6 (e)(1) ufacturi	ng, U-30423 (re	efer to "U-2	A" for other i	nformati	on)
				CEE	RTIFICATE C)F SHO	P COM	PLIANCE				
We certify that the vessel conform to to U Certificate for Au Date	the ith	ASME Coorization N	ode for Press	ure Vessels xpires: <u>Jul</u> al Compan	s, Section VII l y 3, 2010.	I, Divisi	on 1.	-	B -	cuction, and v	vorkmans	hip of this
					RTIFICATE	OF SHC	P INSP	ECTION		(do) (do) (tatife)		
I, the undersigned Province of Loui this Manufacturer's constructed this premployer makes Furthermore, neith kind arising from o	sia es: an er	ana and and ata Reposure vessely warrand the Inspe	employed by rt on el in accordan ty, expressed ctor nor his e	to mplie	SB CT , ar ME Code, Se ed, concerni nall be liable	of nd state ection V ng the in any r	Hartfor that, to III, Divis pressu manner	d, Conn. have the best of my sion 1. By signing the vessel description any personate.	ve inspected knowledge ng this certifi cribed in th	the pressure and belief, th cate neither t is Manufactu	vessel de e Manufa he Inspec rer's Dai	escribed in acturer has ctor nor his tal. Report.
Date 11369	_	Name	MMA	thorized in spec	inna Cor)	e c	ommiss	ions (Nat'l Board		ent, State, Province	e and No.)	60
We certify that the		tatomonto		CERTIFICA	AIE OF FIEI	LD 422	FINIBLY	COMPLIANCE		of this years	Loonform	aa with tha
requirements of AS U Certificate for Au	M	E Code, S	ection VIII, D	ivision 1.				•	or all parts	Of this vesse	COMON	is with the
Date		Name					9	Signed				
	_			(Assembler)					(Autho	orized Representa	tive)	
I, the undersigned	, r	nolding a	valid commis					INSPECTION				e State or
Province of		a	nd employed	by							of	
Province of	and ie d the	d belief, the described Inspector Report.	ne Manufactu vessel was in r not his emp Furthermore,	, not rer has cor ispected an loyer make neither the	included in the structed and subjected as any warrance Inspector	he certil d assem to a hyd nty, exp nor his	ficate of abled th Irostatic ressed employ	shop inspection is pressure ves test of or implied, concer shall be liab	n, have been sel in accord	inspected by dance with As pressure vess	me and SME Codesi. By seel descri	to the best de, Section igning this ibed in this
Date	_	Name	and the second			c	ommiss	ions				
			(Au	thorized Inspec	ctor)			(Nat'l Board	incl. Endorseme	nt, State, Provinc	e and No.)	_



FORM U-2A MANUFACTURER'S PARTIAL DATA REPORT (ALTERNATIVE FORM)

A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer
As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

	on forther															
	iariuractured a	and certif	fied by			Lort	Manufa	cturing	g Company ·	4042 Pati	on Way	Bakersfie	ld, CA	93308	3	
	nufactured fo	r		gitter on your open programme in	enangaga, mengan	or expression	Oakr	idge B	(Name and a Be llo ws 190	South Se	uin Stre					
3. Lo	cation of insta	llation						(Na	me and addres Unl (Name ar	s of Purchas Kown	er)					
4. Ty	pe:	8" Nomi	nal Diam	eter S	inale U	nrestrain	ed Expar	nsion J	(Name ar Ioint	nd address)	2784	-02			NA	
,		[De	scription o	f vessel	part (she	ll, two-plec	e head, tub	e bundl	oint e)]	(Man	facturer's s	erial number)		(CRN)	de reggior de solo les rece
	NA National Board nu	mber)	***************************************	27 (Drawl	784-02 ng numbi	er)			ortz Manufac Drawing prepa	turing red by)		***************************************	(2009 Year b	allt)	· · · · · · · · · · · · · · · · · · ·
L VC	4E C-3- C-45	VITT D		20	07 Ed,	2008 Ad,			NA					NA	-	
5. ASI	1E Code Section	ח זווז ח	NA T	[Edition	App on and A	. 26 Idenda (da	te)		(Code Case n	umber)	· · · · · · · · · · · · · · · · · · ·	[S	pecial Se	vice po	er UG-120(d)]
6. She	ll (a) No. of c	ourse (s);	Material		3		b) Ove	erall Length				8"			
		ength	Spec./	Material Grade o	r Type	Thick Nom.	ness Corr.	Туре	Long. Joint (C Full, Spot, N			Joint (Cat. Full, Spo			Heat Tre Temp.	atment Time
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(8)	NA NA									***************************************	company to constitute				************	
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