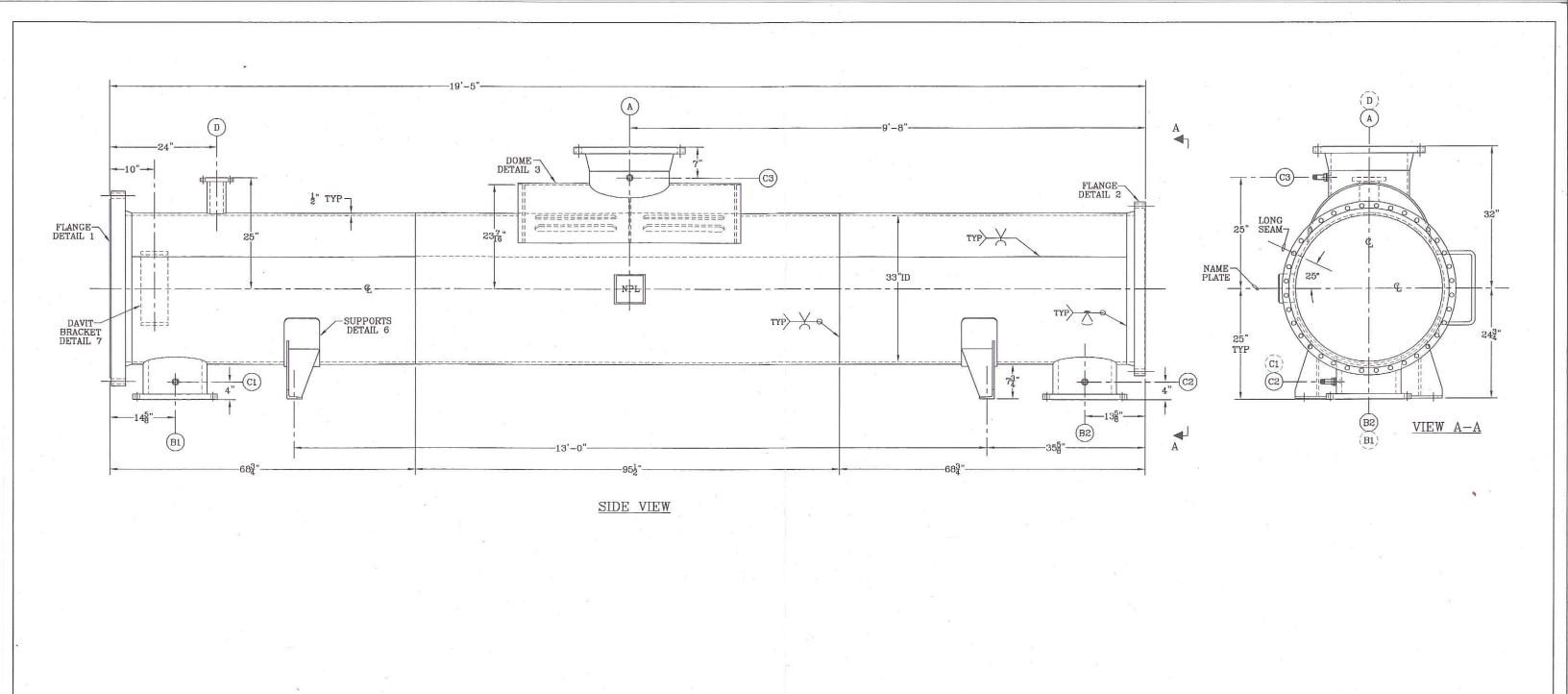
FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS (Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only) As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

page 1 of 1

1. Manufactured	and	certified	by_Inc	dustr	ial Alloy	Fabri	cators, L	LC,	1501 Va	lley Road	, Richi	nond, \	/A 23222
2. Manufactured	for_	Gian	nt York	town	Refiner	y, 220	1 Goodwir	ı Ne	ck Roa	d, Graftor	ı, VA 2	23692	
3. Location of in:	stalla	tion	(same	as a	bove)								
4. Type: Ho	rizo	ntal	28	24		(Nam	e and address) D-98	60A	D-986	S1A	135		2006
(Horiz.,	vert.	tank)	(Mfgr's s	erial No.)	(CF	· (ΝΣ	1	(Drawin	ng No.)) 	Notl. Bd. N	5.) 5 AND DDE	(Year Built)
5. The chemical an	d phy	sical prop	erties of	all part	s meet the	requirer	nents of mate	eriai s	Section 1	ns or the ASA	ME BUILEI 1	2004 E	issunt vesse Ed.
CODE. The des	ign,	construc	tion, and	i worki	manship c	onform	to ASME RU	nes,	360000	VIII, DIVISIOII		Year	<u> </u>
toA. 6. Shell:	ddendd	(date)				Code C	Case No.s		-	Special S	Service pe	r UG-120(d	d)
6. Shell: SA-5	16 C	r 70		1	/2"		None	-		2'-9"ID		1	8'-8"
Mott. (Spec. N	o., Grade)	Sp	Nom.	Thk (in.) 日ちか	_	Corr. Allow. (#	n.)	w ₁	am. 1.0. (tt. 8 d Dbl But	e in.) .t.	Spot.	veranj(rt. & m.)
7. Seams: Wld	i, Obl. Si	igl., Lap, Bult) R.T. (Spo	t or Full)	EII. (A)	n. i. ie	anp. (r) intre	(in)	on in, Inc	ided bbi., brigi., co	p, butty is	i. Lapor, i di	rtial. No. of course
8. Heads: (a) M				SA-	-105			_ (b)	Matl	SA-105		OF FUIT	
	~			(Spec. N	No., Grade)			r	 1		(Spec. No.	, Grode)	
Location (To Bottom, End		Minimur		rosion	Crown Radius	Knuckl Radius			onical ex Angle	Hemispherical Radius	Flat Diamete		to Pressure x or Concave)
	15)	Thicknes		wgnce 							43 7/8		
(a) End		3 1/2									39 1/8		
(b) End		2 7/16				L					100 1/0	1	
If removable, bolts	s use	d (descr	ibe other	faster	ning)			Aat'i S	ipec. Na., (Grade, size, No.)		
9. MAWP		75					psi at	max.	temp		650		F
Min. design m	netal	temp	-20	F a	it75	psi	. Hydro., pr	ieu.,	or comb	. test pres	sure	104	psi
10. Nozzles, insp						2.5	* 8				•		
		Ι			/ · · · · · · · · · · · · · · · · · · ·	Mate	riol		T	T 5 : 4	T		T
(Inlet, Outlet, Drain)	No.	Diam. or Size	Flanc Type		Noz. No		Flange		Nom. Thk.	Reinforce Matl		How Attached	Location
Vapor	1	18"	150# R	FWN			SA-105		1/2"		-	welded	Dome
Unknown	2	12"	150# I			_	SA-105		1 3/16	"	-	welded	Shell
Gate Valve	3	3/4"	3M# Soc				SA-105				- 1	welded	Noz Nk
Relief	1	3"	150# L			-	SA-105		5/8"		-	welded	Shell
13 C		No	direction of		Loan				addles	Attachec	4 We	lded to	shell
11. Supports: Sk	(Y	es or no)	. Lugs —	(No.)	Legs _	(No.)	00101	(De	scribe)	/(ctdolloc	()	where and I	лож)
12. Remarks: Man						perly ide	ntified and s	signed	d by Com	missioned In	spectors	; have be	en furnished
for the follow	-35		8.				(Name of part	. item	number, I	dfgr's. name ar	nd identify	ing stamp)	
Over-pres						thers.						·	
Impact tes										17 - 1 - 1 MAY 129 - WE TO			
P.O. No. 18	3192	Ite				,							
				CERTIF	FICATE OF	SHOP,	FIELD COM	PLIAN	(CE				
We certifiy that th													
vessel conform to	the	ASME Co	de for Pre	ssure V	essels, Sec	tion VIII,	Division 1. U	Cer	tificate of	Authorization	No	00,13	
Expires Marc	11 21	J, 2000	<u>) </u>	9	na na anala	Tent 1	e ee r e	T 73	25	This	11/	hasi	
Date (C/12)	100	2. Co. I	Vame <u>Ir</u>	idusti	rial Alloy (Manufo	y Fabr octurer)	icators, L	LC_	نرSigned	111.27.11	(Represen	lative)	10.
*				CERTI	FICATE OF	F SHOP	/FIELD INSF	ECTI	ON				
Vessel construct	ed by	, Ind	ustrial	Alloy	Fabrica	tors, I	LC at .	1	501 Val	ley Rd., R	ichmo	nd, VA	23222
I, the undersigned	, hold	lina a va	lid commis	ssion is	sued by the	e Nation	al Board of B	oiler i	and Press	ure Vessel Ins	pectors	and/or the	e State or
or Dravings of		Virg	inia		and empl	aved hi	, One Be	acon	Insura	ince Comp	oany, l	Boston.	MA
have inspected th	e co	mponent	described	in this	s Manufacti	urer's Do	ita Report or	1	10-1	2-2000		., and stal	te that, to
the best of my kn 1. By signing this	certifi	ge and be	dief, the M her the In	lanutact spector	urer has co nor his em	nstructed solover m	this pressure takes any war	e vess rantv.	el in docol expressed	dance with As or implied, c	oncerning	the press	sure vessel
described in this	Manu	facturer's	Data Ren	port. Fu	irthermore,	neither	the Inspector	nor	his emplo	yer shall be I	iable in	any manne	er for any
personal injury or	prop	erty dan	nage or g	loss c	of any kind	arising	from or con	rected	d with thi	s inspection.	0.4. 1		
Date 10-12	06	_ Signe	d Aller	HA (Autho	MANA prized Inspect	AND tor)	Com	missi	ions <u>(</u> Nat'	NB108 Board (incl. end		VA951R), State, Pro	v., and No.)



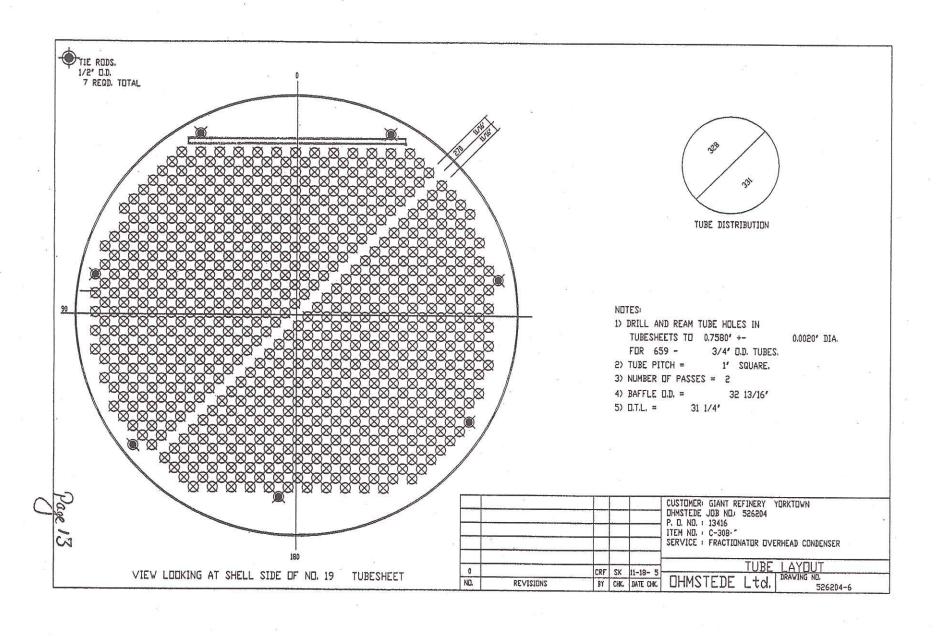
FORM U-2 MANUFACTURER'S PARTIAL DATA REPORT A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

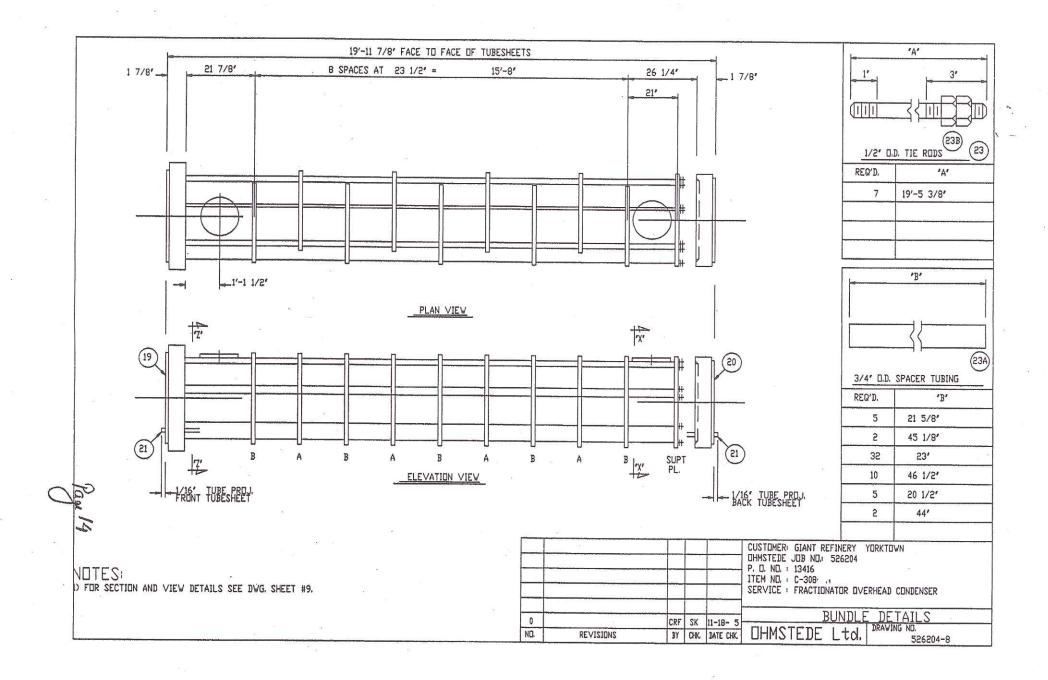
BUNDLE AND CHANNEL

						-				W			*****			
1. M	anufactured ar	nd certified by	OHMST	EDE LTD., LA	POR	TE PI	LANT, 124						(AS 77571			
M	anufactured fo	r GIANT YO	ORKTOW	N REFINERY	r, 2201	I GO	ODWIN N	- 8	me and addres							
							(1)	lame a	and address of	Purch	aser)			15		
3. Lo	cation of insta	llation GIAN	IT YORK	TOWN REFI	NERY,	2201	GOODW	IN NE	CK ROAD, O	GRAF	TON \	/A 2369	2			
									(Name and a	ddress	s)					
4. Ty	/pe:	E	UNDLE	AND CHANN	EL				5262	204				-		
	J)	Description of ve	ssel part (s	hell, two-piece	head, tu	ube bu	indle))		(Mfg's ser	rial No	.)			(CRN)	
		46		526204		_			OHMS	-	-		A CONTRACTOR OF THE PARTY OF TH	(in a	2006	
	(Natl. I	3d. No.)		(Drawing N	0.)				(Drawing pre	pared	by)				(Year bui	itt)
5. A	SME Code, Se	ction VIII, Div. 1			200						-					
				Edition	and Add	denda	(date)		2	Code	Case No	0.	Spec	cial Servi	ce per UG-12	20(d)
Items	6 - 11 incl. to	be completed f	or single v	wall vessels, ja	ckets o	of jack	eted vesse	ls, she	II of heat exch	nange	rs, or c	hamber (of multi-chamb	er vesse	ls.	
6. Sl	nell (a) No.	of course(s):					(b) (Overall	length ft & in.:							
	Cours	e(s)		Material		Thick	ness	L	Long. Joint (Cat. A)	Circu	m. Joint (Cat. A	B. & C)	Heat T	reatment
No.	Diameter, in	Length ft & in	Spec./	Grade or Type	No	m.	Соп.	Туре	e Full, Spot,	None	Eff.	Туре	Full, Spot, Nor	e Eff.	Temp.	Time
		-			-			├ ∸			-	-		-	+ -	-
-	 	-	+		-	-	-	-			-	 - -	-	-	+	-
=		<u> </u>			<u> </u>			<u> </u>		_	-	1 -	<u> </u>	<u> </u>		
7. He	eads: (a)						-	- Carlo	(b)		/1.4 III.6		0 1 7			
	1 A CT -			rade or Type) H		_			l la mia ab a da al	-			, Grade or Type	H.I II		
	Location (To Bottom, End		ess Corr.	Radius Crown Kr		Ellipt Rat		100000000000000000000000000000000000000	Hemispherical Radius		lat neter		o Pressure Concave	Type I	Category A Full, Spot, N	
(a)	-	- 1	-	-	-	-	-		-		-	-	- 1	-	-	
(b)			- 1	- 1	_	-	-		-		-		-	-		-
If remo	ovable, bolts u	sed (describe otl	er fastenir	ng)	The Following						. •					
									(Mat'l Sp	ec. No	., Grade	e, Size, N	lo.)			
в. Ту	pe of jacket			-					Jacket closu	ire			_			2
										9		(D	escribe as ogee	& weld, I	oar, etc.)	
If b	ar, give dimens	sions						-						If b	olted, descrit	oe or sketch.
	W.D.	3 -0100000000000000000000000000000000000							۰F	A dim	d!			•	at -	noi
IVL	1000	mal) (ext	F ernal)	osi at max, temp		(intern	- dan	externa		WHIT.	uesigni	netal terr	np		al	psi.
9778 DEC		mai) (ext	ziriai)			(intern	iai) (CALCITIC	,				200 F0/V	4 140	199	-
10. lm	pact test				TORR ACTOR/ACT		•						at test t	emperati	re of	- °F
				(Indicate yes	or no a	ind the	e componen	t(s) imp	pact tested)							98
11. Hy	dro., p rimuli, e	ruurnib. test pres	s	-		_ P	roof test _						•			
tems	12 and 13 to b	e completed fo	r tube sec	tions.												
	besheet:	SA-516-70 /			3	2 3/4	310		1 7/8 "				1/8 "		BOLTE	D
		Stationary (Ma					to press.)	_	Nom. thk.,				Allow., in.	Attach	ment (welde	
	SA-516-70	SB-127 440	70									1/8 "			BOLTED	
-		t'l Spec. No.)	_	Dia., in.				m. thk.,				Allow., i	Total Control		Attachment	
13. Tu	22	SB-338 Gr 2	WIA			3/4"		CANNOT HANDE	0.0	49			659		STRAIGH	-17
		Spec. No., Gra				D., in.			Nom. thk., i		auge		Number	T	ype (Straigh	
							la au abaum	ala af						-)r - (J	1001 00
		be completed	or inner c	625	ricted ,	ve556				ers.			4104	74.11		
4. Sh		f course(s):	,	1				erail lei	ngth (ft & in.):				1'21			
No	Course Diameter in	(s) Length ft & in,		Material Grade or Type		Thickr		Type	Long. Joint (C Full. Spot. N		Eff.		n. Joint (Cat. A. Full, Spot, Non-		Heat Tr Temp.	eatment Time
No. 1	33 " I.D.	1 ' 2 1/4 "		10 TP316/L	.250		Corr. 0.00"	1	FULL	VOLIG	1	1	FULL	1	- 1600	THIE
-	-		5,,2	-			-	-	1 -		i.	- 1	-	1 -	1 -	-
			1			\rightarrow			-	-				1	1	

FORM U-2 (BACK)

He	ads: (a)				, 2				(b)				-				
			(Mat'l S	pec. No., Gr	ade or Typ	e) H.T Tim	ne & Temp)			(Mat'l	Spec. No., G	Grade or Type	e) H.T	Time & 7	Гетр	
	Location (T	op.	Thick			dius	Elliptical	7	Hemisph	nerical	Flat	Side to	Pressure		Cate	догу А	2000
	Bottom, En		Min.	Corr.	Crown	Knuckle		Apex Angle	Radi	us C	Diameter	Convex	Concave	Type	Full, Sr	oot, None	Eff
a)	-		-	-	-	-	-	-	-		-	-	-	-		-	-
1	•		-	-	•	-		-	-		-	-	-	-		-	-
emo	vable, bolts	used	(describe o	ther fastenir	ng)						•						
	1.5.		•		J,				(Ma	at'l Spec.	No., Grad	le, Size, No.))				
BAA	MD	75		W	nei at may	tomp	450		۰۱			metal temp			°E at	75	-
IVIA				-	psi at iliax	temp.	150		1075	141	iiri. desigi	i metai temp			°Fat _	75	r
		ternal	(ex	temal)			(internal)	(exter	naij								
Imp	pact test					EXE		R UHA 51					at test	tempera	ature of .	•	
							(Indicate	yes or no an	id the corr	iponent(s) impact to	ested)					
Ну	dro., paneur,	0#1001	##b. test pre	ess.	150)	Pro	of test					-				
Mor	zzloe inenec	tion .	and antohu	roluo oponin	an.												
	zzles, inspec	T			igs.	140	torial		Mozzlo	Thickness	. Doi	nfaroamant	I No	w Attack	nod.	Loon	tion
	ose (Inlet, Drain, etc.)	No	Diameter or Size	Flange Type		lozzle	terial FI	ange	Nozzie Nom.	Thickness Corr.	TO 100 100 100 100 100 100 100 100 100 10	nforcement Material	Nozzle	w Attach	lange	Loca (Insp. C	
	t / Outlet		8 " 150#			2 TP 316/L		2 F316/L	0.322	0.00		-	WELI	1000	VELD	1111001.0	CNOTT
	Misc.		3/4 " 6M		0/101/	-	1	Ty F316/L	-	0.00"	+	-	-		VELD	 -	
_		2	1/2 "				7	2 F316/L	, <u>a</u> ,		1						
	Misc.	-		CPLG	-	-	SA-10			0.00 "	+			- v	VELD		
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SI.			27											4			
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L.			***************************************									***************************************	1.00				
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-	CD12 12501 12	20022	81 B B	27 12 627	0 8			OF SHOP/F				1070 72715	N29	1720	9 99		
								letails of mate	erial, cons	struction, a	and work	nanship of th	nis pressure	ressel pa	art confor	m	
t	to the ASME	Code	for Pressu	ire Vessels,	Section V	III, Division 1	•										
l	U Certificate	of Au	thorization	No.		18,673		E	xpires _			7 06/	27/2007				
,	Data 02/	147121	noe N	2000 0111					-	Signed	Ka	no lol	Min-				
	Date03/	1//20	JUG 14	OHN	STEDE	LID. LAP		LANI	······· '	olyneu _	100	nacer	ac c				
0.00						(ivianui	facturer)					(Fig	epresentative	:)			
						CERTI	FICATE	OF SHOP/I	FIELD IN	ISPECT	ION						
l, th	ne undersign	ed, h	olding a val	id commissi	on issued	by The Natio	onal Board	of Boiler and	Pressure	Vessel I	nspectors	and the Sta	te or Provinc	e of	TE	XAS	
and	d employed i	bv				HSB CT	•			of		HARTE	ORD, CT		have ins	spected th	e
	127	_	described i	n this Manu	facturer's [Data Report		03/17	/2006		and st	7. 14. 15. 14.	he best of m	v knowle	dge and	belief, the	<u>.</u>
							7007 800			I Division			tificate neith	NS01 10		201101, 010	
				50	1350							8 S			12		55
													Data Report.				
	realize vess		nor his emp	oloyer shall	be liable in	any manner	for any pe	ersonal injury	or proper	ty damag	e or a los	s of any kind	arising from	or conn	ected		
vitt	n this inspec	tion.			,	^											
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Dat	e 03/1	11200	Sig	neď		The			_ com	INSSIONS		906 A, TX		C4-4- 5			
						LUCACIONAL IN	(CDOCTOR)				(Diagri L	nara incl or	doreament	STOTA D	COMPACE 3	DO NO I	





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W W	NDUSTI	RIAL ALLO	CERTIFIED BY ALLOY FABRICATORS, LLC CHMOND, VIRGINIA								
RT-3	SERIAL NO.S	924		YR BUILT	2006						
MAWP	75	PSIG	@	650	°F						
MDMT	-20	°F	@	75	PSIG						
JKT MAWP		PSIG	@		°F						
JKT MDMT		°F	@		PSIG						
					-7 f - 1						
12.000											
P.O. NO.	18192										
EQUIP NO.	c - 308	18			4.3						
PROJ NO.											

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