Entereo Poulislos

### **SERIAL NUMBER CHECKLIST**

**JOB NO:** 11726

DATE: April 12, 2005
90 HP Wellhead Booster

CUSTOMER: STOCK
COMPLETED BY: Sean Colwell

ITEM	MANUFACTURER	SERIAL#	CRN#	<b>A</b> #
Suction Scrubber V1	Chil-con	C250 062A-1	L9760.213	530617
Primary Oil Separator V2	i '	<u></u>	L9758.213	
Secondary Oil Separator V3	Chil-Con	C250062C-1	19799,213	530619
Blowcase V4	Toromont	Na	Se and as a second second	The Manuscraft Conference of the Conference of t
Air Cooler	ACE Air-X-HemphiH	0502606-1 0502606-2		And the state of t
Oil Cooler	Viex	270751.13	L9315.123	NA
		- 1350 <b>0</b>	Model	Arrangement
Compressor	Frick	0858NZ	XJF 151N	NA
Compressor Engine	Caterpillar	N4F01229	G3304NA	222-9043
Control Panel	Murphy	MOI-062-229	50-30-3503	NA
PSV-103 Relief Valve	Hydroseal	1004-2	060736.20	245 / PSI 327 SCFM
PSV-113 Relief Valve	Hydrosea		0G0736.2C	375 PSI 49/ SCFM
		·		

1726
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



Manufactured and	d certifi	ied by HEN	RY TECHNOLO	OGIES LIMITE	ED, 36 CRAIG		ANTFORD, ON ss of manufacturer)		NADA N3T 5T6	
<ol><li>Manufactured for</li></ol>	TO	ROMONT PRO	OCESS SYSTEM	MS, 10121 Bar				East 1		
3. Location of instal	lation	UNKNOWN			(Nar	me and address of p (Name and add	· .			
4. Type:	VERT	ICAL.	C250062A	125)	1.9760.2			/0	N/A	2005
(He	oriz. or v	vert. tank)	(Mfgr's serial	No.)	(CRN)		(Drawing no	o.)	(Nat'l Bd. No.)	
<ol> <li>The chemical and VESSEL CODE.</li> </ol>								ID PRESSUR	2004 Edition	
to					1.5	518-5			Year -	
		Addenda (Dale)				Case Nos.			Special Service per UC	G 120(d)
6. Shell:						1/16"				48"
	itl. (Spei MLS P	c. No., Grade)	Nom NONE	i. Thk. (in.)	C	orr. Allow. (in.) -		m. I.D. (ft. & in.) TT		th (overall) (ft. & in.)
Long.		d, Dbl., R	T. (Spot or Full)		H.T. Temp (°F)		Girth (Welded, Sngl., Lap, B	Dbl.,	R.T. (Spot, Partial, or Full)	
8. Heads: (a) Matl.		···-··				(b) Matl.				
Location (To	T	Minimum	(Spec No., Corrosion	Grade) Crown	Knuckle	Elliptical	Conical	(Sp Hemispherica	pec No., Grade)	Side to Pressure
Bottom, End		Thickness	Allowance	Radius	Radius	Ratio	Apex Angle	Radius		(Convex or Concave)
(a) TOP		0.3281"	1/16"	-	-	2:1	<u> </u>		-	CONCAVE
(b) BOTTON		0.3281"	1/16"	-	-	2:1		<u>-</u>		CONCAVE
If removable, bolts 9. MAWP			<u> </u>			(Mat	tl., Spec. No., Gr., Si	ize, No.)	250	°F
Min. design metal				°F a	at 400	•		#test pressure		
10. Nozzles, inspecti	•					pon myan	an, priodi, on admi	,, toot proced		poi.
Purpose		Diam.				Nom.	Reinforcem	nent	How	
(Inlet, Outlet, Drain)	No.	or Size	Type	Mai		Thk.	Matl.		Attached	Location
CONN CONN	1	3,"	W.E.	SA-106 SA-234		SCH.80 SCH.80	<u>-</u>		WELDED WELDED	SIDE
CONN	1	2"	CPLG	SA-234		6000 LB	_		WELDED	SIDE
CONN	2	1-1/2"	CPLG	SA		6000 LB			WELDED	SIDE
CONN	2	1"	CPLG	SA		6000 LB	-		WELDED	SIDE/BTM
CONN	1_	1"	CPLG	SA	105	6000 LB	-		WELDED	TOP
CONN	1	3/4"	CPLG	SA	105	6000 LB			WELDED	SIDE
	<u> </u>			- W		-			-	
11. Supports: Skirt						Other		A	attached BOT	
12. Remarks: Manufa	acturer'	-	` '	dentified and sig		sioned Inspectors		shed for the fo	llowing items of the	(Where and how)
FOR CORROSIVE										
NO IMPACT TEST								<del></del>	·	
VESSEL MEETS I	(13 KI	EQUIREMENT	. S							
	Press	ure Vessels, Se	ction VIII, Divisio	orrect and that and 1. "U" Certific	all details of des ate of Authoriza	tion No.	struction, and wor	kmanship of t	his vessel conform  Sun-05	
Date ; Coy		O. IValli	e <u>HENRY TEC</u>	(Manu	facturer)			(Medy)	Representative)	
Vessel construc	ted by	HEN	RY TECHNOLO			P / FIELD INSP		TEODD ON	TARIO CANADA	A N12D 711
	ed, hok		mission issued b				sel Inspectors and			have inspected
		_	facturer's Data R	eport on	Feb. 23	2005		hat, to the bes	st of my knowledge	'
his employer ma Inspector nor hi	akes ar	ny warranty, exp byer shall be liat	ressed or implied	, concerning the	e pressure vesse	el described in this erty damage or a l	s Manufacturer's I loss of any kind ar	Data Report. F	either the Inspector Furthermore, neithe connected with this	r the
Date <u>Feb.</u>	~>, C	Signed _		(Authorized Inspe	ctor)	Commissi		ON 27	orsements) State, Pro	v and No.)
ļ	<del></del>			, amonzeu nape			(IVall C		oracinema) state, P10	v. and 140.7



# 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



1. Manufactured and certified by HENRY TECHNOLOGIES LIMITED, 36 CRAIG STREET BRANTFORD, ONTARIO CANADA N3T 5T6
(Name and address of manufacturer)
2. Manufactured for TOROMONT PROCESS SYSTEMS, 10121 BARLOW TRAIL N.E., CALGARY, ALBERTA T1 628
3. Location of installation UNKNOWN (Name and address of purchaser)
(Name and address)
4. Type: VERTICAL C250062B(✓S) L9758.213 R200183B / 0 N/A 2005 (Horiz. or vert. tank) (Mfgr's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year buil
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  Year
to
Addenda (Date) Code Case Nos. Special Service per UG 120(d) 6. Shell: SA-106 GR B 3/8" 1/16" 12-3/4" OD 48"
Matl. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)
7. Seams: <u>SMLS NONE 100% SGL BUTT SPOT 1</u> Long. (Welded, Dbl., R.T. (Spot or Full) Eff. (%) H.T. Temp (°F) Time (hr) Girth (Welded, Dbl., R.T. (Spot, Partial, No. of Course
Sngl., Lap, Butt) Sngl., Lap, Butt) or Full)
8. Heads: (a) Matl. SA 234 WPB (b) Matl. SA 234 WPB (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) TOP 0.3281" 1/16" 2:1 CONCAVE
(b) BOTTOM 0.3281" 1/16" 2:1 CONCAVE
If removable, bolts used (describe other fastenings) - (Mall. Sec. No. Co. Site No.)
9. MAWP 400 psi at max. temp. 250
Min. design metal temp20 °F at 400 psi. \(\frac{\text{Hydrach}}{\text{test}}\), pneu., \(\frac{\text{test thember}}{\text{test pressure}}\) 440
10. Nozzles, inspection and safety valve openings:
Purpose Diam. Nom. Reinforcement How (Inlet, Outlet, Drain) No. or Size Type Matl. Thk. Matl. Attached Location
CONN. 1 3" W.E. SA-106 GR B SCH.80 - WELDED SIDE
CONN.         3         1-1/2"         CPLG.         SA 105         6000 LB         -         WELDED         SIDE/BTM
CONN.         3         3/4"         CPLG.         SA 105         6000 LB         -         WELDED         SIDE           CONN.         1         3"         W.E.         SA-234 WPB         SCH 80         -         WELDED         TOP
CONN. 1 3" W.E. SA-234 WPB SCH.80 - WELDED TOP
44 Supports Skirt NES Lucy Charter Cha
11. Supports: Skirt YES Lugs - Legs - Other - Attached BOTTOM / WELDED (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 the report: -
(Name of part, item number. Mfgr's name and identifying stamp)  NO IMPACT TEST REQUIRED AS PER UCS-66
FOR CORROSIVE SERVICE
VESSEL MEETS RT3 REQUIREMENTS
CERTIFICATE OF SHOP / FIELD 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.
Date Feb, 25/05 Co. Name HENRY TECHNOLOGIES LIMITED Signed TWOMEN Signed (Representative)
(Manufacturer) (Representative)  CERTIFICATE OF SHOP / FIELD INSPECTION
Vessel constructed by HENRY TECHNOLOGIES LIMITED at 36 CRAIG ST., BRANTFORD, ONTARIO
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of
ONTARIO and employed by T. S. S. A. have inspected the component described in this Manufacturer's Data Report on Feb. 23, 2005, 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.
Date Feb. 15, c5 Signed Commissions ON 33
(Authorized Inspector) (Nat'l Board, (incl. endorsements) State, Prov. and No.)

PSV 375 psi 2 491 5cFM.

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

1.	Manufac	tured and	certifie	ed by <u>HEN</u> I	RY TECHNOLO	GIES LIMITE	D, 36 CRAIG S		RANTFORD, ON ess of manufacturer)	TARIO CAN	ADA N3T 5T6	
2.	Manufac	tured for	TOI	ROMONT PRO	OCESS SYSTEM	/S , 10121 BA			ARY, ALBERTA purchaser)	T1Y-6Z8		
3.	Location	of installa	tion	UNKNOWN				· · · · · · · · · · · · · · · · · · ·			EDE 21 CV. 19	the state of the s
						1_		(Name and a	ddress)			<del>-</del>
4.	Type: _			NTAL	C250062C(		L9799.21	3	R200183D		N/A	
5	The cher	•		ert. tank)	(Mfgr's serial	•	(CRN)	finations of the	Drawing no ASME BOILER AN	•	(Nat'l Bd. No.	) (Year built)
					on, and workmans		•			ID FRESSORE	2004 Edition	
				·g., ••··•	n, and nominate						Year	
1	to						15	18-5			_	
			P	Addenda (Date)			Code C	ase Nos.		Sp	ecial Service per U	G 120(d)
6.	Shell:			3 Gr B		3/8"		1/16"		2-3/4" OD.		26-1/2"
7	Seams:			c. No., Grade)		. Thk. (in.)	Co	rr. Allow. (in.)		m. I.D. (ft. & in.)		gth (overall) (ft. & in.)
1.	Seams.		ERW Welder		.T. (Spot or Full)	85% Eff. (%)	H.T. Temp (°F)	Time (hr)	SNGL BU Girth (Welded		NONE R.T. (Spot, Partial,	No. of Courses
			, Lap, I		. r. (opot or r dil)	Lii. (10)	n.r. remp(r)	Time (III)	Sngl., Lap, E		or Full)	No. or Courses
8.	Heads: (	a) Matl.			SA 516	-70		(b) Matl.		Sz	A 516-70	
					(Spec No., (			· · · · · · · · · · · · · · · · · · ·			c No., Grade)	
		cation (Top		Minimum	Corrosion	Crown	Knuckle	Elliptical	Conical	Hemispherical		Side to Pressure
(a		ttom, Ends END	5)	Thickness 0.2938"	Allowance 1/16"	Radius	Radius	Ratio 2:1	Apex Angle	Radius	Diameter	(Convex or Concave)
(b		END		0.2938"	1/16"	<del>-</del>		2:1	<del>                                     </del>			CONCAVE CONCAVE
			used (	describe other		DLTS : SA 193-	-B7 5/8"-111TN			<u> </u>	<u> </u>	CONCAVE
		210, 20110 ·	, 2002	40001120 01101	idotoimigo, <u>Bc</u>	DE13 . BR 175	-67, 376 -1101		iatl., Spec. No., Gr., S	ize, No.)		
9.	MAWP				400			psi at max. te		. ,	400	°F
ı	Min. desid	gn metal te	emp.		-20	°F a	t 400	psi. ####	###, pneu., ######	# test pressure		440 psi.
									, p,			, ps
<u> </u>	Purpo		i anu	safety valve op	T T			None I	Dainfaran			<del></del>
(In	let, Outle		No.	Diam. or Size	Туре	Mat	ı.	Nom. Thk.	Reinforcer Matl.	nent	How Attached	Location
	Handh	ole	1	11"	BOLT PAD	SA-516 (	Gr70 N	1-1/2"	_		WELDED	END
	CON	N.	2	2-1/2"	PIPE	SA-106	GR B	SCH.80	_		WELDED	SIDE/END
	CON		l	1-1/2"	CPLG	SA-10	)5N	6000LB	_		WELDED	SIDE
L_	CON	N.	3	3/4"	CPLG	SA-10		6000LB			WELDED	TOP/BOTTOM
11.	Supports	: Skirt			ugs	Legs		Other	-	Att	ached	-
			•	es or no)	(No.)		(No.)		(Describe)			(Where and how)
12.	Remarks	s: Manufac	cturer's	s Partial Data R	teports properly id	entified and sig	ned by Commiss	sioned Inspecto	rs have been furnis	shed for the follo	wing items of the	e report:
_											1.4.44	
	n conr				1)	Name of part, ite	m number. Mfgr	's name and ide	entifying stamp)			
		ROSIVE S										
				ER UCS-66			***************************************		******			
HE	EADS AI	RE HOT I	ORM	1ED								
					•	CERTIFICAT	TE OF SHOP	/ FIELD COM	IPLIANCE			
								-	nstruction, and wo	rkmanship of thi	s vessel conform	to the
	ASME	_ 1	、7		ction VIII, Division	1. "U" Certifica	ate of Authorizat	ion No.	29646		res Jun-	<u>05-2006</u> .
	Date )	95.SE	6/05	. Co. Nam	e <u>HENRY TEC</u>	HNOLOGIES	LIMITED		Signed	1eMal)	Direturi	(1)
<u> </u>						(Manufa				(Re	epresentative)	
						CERTIFICA	TE OF SHOP	/ FIELD INS	PECTION			
		constructe			RY TECHNOLO				36 CRAIG ST.	L		
		_		-		The National E	Board of Boiler a		essel Inspectors and	d the State or P	rovince of	
		ONTARIO		and employ			20/2	T. S. S.				have inspected
		•			facturer's Data Re	•	25/2/	105	<del></del>		of my knowledge	'
									on 1. By signing thi			
									nis Manufacturer's la loss of any kind a			
	Date	20%	7/1	S Signed	Ryland		m Romar				minected with this	mapection.
	Date	<u> </u>	<u>~10</u>	signed	( Jours	<u> </u>	WALLET	Commis	SIUIS	5/		

(Nat'l Beard, (incl. endorsements) State, Prov. and No.)
PSV 375 psi @ 4915CFW

11726

## FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS (Alternative Form for Single Chamber, Completely Shop-Fabriciated Vessels Only)

As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

								,	
1. Manufactured and	certified by	AIR COO	LED EXCH		INC. ONE	ACE AVE.	BROKEN A	ARROW, OK	74013
2. Manufactured for	ТО	ROMONT	, .,		308 STN C		CALGAR	Y,AB T2C	3C6
3. Location of install	ation				UNKN				
		050060	<i>(</i> )	T1101 23	(Name and addr		32	77	2005
	TICAL r vert., tank)	050260 (Mfgr's serial		T1101.23		26-H2-1 awing No.)	(Natl. E		(Year built)
5. The chemical an VESSEL CODE. 1								ME BOILER A 2001 Year	ND PRESSURE
to	A2003				NONE			NONE Special Service per UG-12	20/db
Tube & Plug	Addenda (Dale)	•	75"		625"	4	.375"		20.625"
6. Shell:	SA-516-70 Mall. (Spec. No., Grade	)	.75" Nom. Thk. (in.)		323 Ilow. (in.)		1.D. (ft. & in.)		erall ) (ft. & in.)
Z Same: SING	LE BEVEL	NA	N/	A N	A N	Α	NA	NA.	NA_
	g (Welded, Dbl., igit, Lap, Butt)	R.T. (Spot or Ful	l) Ett. (*	%) H.T. Ter	np. (°F) Tîm		rth (Welded, Dbl., Sngl., Lap, Butt)	R.T. (Spot, Part or Full)	tial, No. of Courses
8. Heads: (a) Matl.	-	SA-5 (Spec. No			(b) Mati.			516-70 No., Grade)	
Location (Top. Bottom, Ends)	Minimum Thickness	Corresion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) TOP & BTM	.5"	.0625"	NA	NA	NA	NA	NA	4"	NA
(b) ENDS	.5"	.0625"	NA	NA	NA	NA	NA	4"	NA
if removable, bolts	used (describe o	ther fastenings)			AC	(Matl., Spec. No.,	Gr., Size, No.)		
0 11414/0		400	Si	ERVICE:	max. temp	-	35	0	-5
9. MAWP Min. design metal to	emn -2		400		• –	mb. test pressu	re	520	psi.
10. Nozzles, inspection								BY OTHERS	
Purpose	No. Diam. Or Size	Туре		Mati.	Nom. Thk.	Rein	forcement Mati.	How Attached	Location
	2 4"	PIPE		-106B	XH		IAL & WELD	UW16.1(a)	
	2 4"	RFWN	<del></del>	A-105 A-105	300#		IAL & WELD IAL & WELD	WELDED UW16.1(a)	
<del> </del>	1 ./3	CPLG	3/	4-103	3000#	WATER	IAL & WELD	O W 10.1(a)	
11 Supports Skirt	NO Lug	2	Legs 0	Other_	NA NA	<u> </u>	AttachedT	UBESHEET	WELDED
11. Supports: Skirt_	(Yes or no)	(No.)	(No.)		(Descrit			(Where and	how)
12. Remarks: Manufa	cturer's Partial I ISTRUCTED	Data Reports pro	MANCE W	IIH APPEI	t by Commiss NDIX 28, IM Migr's, name and ider	IPACI EXE	ors have been fur EMPT PER U	nished for the form $G-20(f)(1)(b)$	ollowing items of
TUBES:(37)S	6A-214 X	.625" OD		•	6' LONG		AIGHT TYPE		
PLUGS:(74)		HOULDER							
UT-ONE LON			PER HEAL	) PER	CUSTOME	R REQUES	T		
			CERTIF	ICATE OF S	HOP COMPLI	ANCE			
We certify that the							7/16	vorkmanship of	this vessel con-
form to the ASME		Δ114	ction VIII, Div	ision 1. "U" ( EXCHANC	Certificate of A SERS, INC.		P 7616	expires4/.	30,20_05
Date 3 17-0	Co.	name	()	Manufacturer)		Signed	Fee (ex	(Representative)	
Vessel constructed	byAI	R COOLED			SHOP INSPEC		BROKEN	arrow,	
t the undersigned, OKJ	holding a valid LAHOMA		sued by the N	lational Boar ONEBE	d of Boiler an ACON AM	d Pressure Ve ERICA INS	ssel Inspectors SURANCE CO	and/or the State BOSTO	e or Province of N, MASS.
have inspected the		cribed in this M	anufacturer's			3-17	, 20 <b>05</b>	•	nt, to the best of
my knowledge and									
this certificate neith									
facturer's Data Re				_	r snall be liab	ie in any man	ner tor any perso	unai injury of p	operty damage
	Sign	19 1	(Authorized	<u></u>	C	ommissions_1	B. 8432 - N ( [Nat1 Board (incl.	ok. 266 endorsements), State, Pr	rov. and No.j

# FORM U-3 MANUFACTURER'S CERTIFICATE OF COMPLIANCE COVERING PRESSURE VESSELS TO BE STAMPED WITH THE UM SYMBOL, SEE U-1(j) As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1.	Manufactured	and ce	rtified by	′	ViEX Ir	nc. 1201 Nic	cholson I	Road, I	Newmarke f manufactu	et, On	tario,	Canada,	L3Y	9C3		<del></del>	
2.	Manufactured	for	Toro	omont	Process Sy	vstems, 10	121 Barlo	w Trai	r manuractu II N.E., Ca of purchase	llaarv	Alber	ta, Cana	ada, '	T3J 3C6			
3.	Location of ins	stallation	n	···				Jnknov	vn	ər)							
4.	Type(F	Vertica	VX20	horo)	F	Plate & Fran	Name) ne Heat	and ad	ldress) nger		4.97	US gal			270751.	/3  1-15	
	L9315.51	23	ert, or spi	ileie)	VX20-G	(тапк, separ -400 Rev 0					Capaci 2005				(Mfg's ser		
E	(CRN)				(Dra	wing No.)					(Year i			<del></del>			
	ASME Code, S				(Edition ar	id Addenda (	date))	(C	None ode Case N	No.)		<del></del>					
6.	Shell: (a) no		rse(s):					(b) C	verall len	gth (ft	& in.):	:27	7.812	25"			
No	Course Diameter, in	· ·	(ft & in.)	Snec	Material /Grade or Type	1	ness		ong. Joint (					int (Cat. A,		Heat Tre	atment
-	-	-	(1. 0. 11)	-				Туре	Full,Spot, I	None	Eff 	Туре	L	Spot, None		Temp	Time
=	-	-				<b>-</b>	L	-				-	-				-
L	_	<u> </u>					-		-			-			<del>  </del>		
7.	Heads: (a)	SA51	6 Gr 70	rade or	H' Type) (H.T.	T-No	mn)	(b)		SA51	16 Gr	70		HT-N	10		
<u> </u>	Location (Top,		kness		Radius	Elliptical	Conic	al	(Mai Hemispher			Sic		) (H.T. – Tir	ne & Tem		
(a)	Bottom, Ends) Fixed head	Min. 2.25"	Corr.	Crown		Ratio	Apex A	ngle	ical Radius	Flat	Diamete	r			Туре	Category A Full, Spot, No	
(b)	Mobile head	1.50	-				-			L	8" x 44" 8" x 43.2	-			-		
16					<u> </u>		<u> </u>			L							
	emovable, boits																
8.	Type of jacket				n/a			Jacket	t closure _			1	n/a				
	If bar, give dime	ensions	: if boite	d. des	scribe or ski	etch				do.	(Des	cribe as c	ogee 8	& weld, bar	etc.)		
	MAWP <u>400</u>		none	)	psi at max	. temp. 25	<del></del>	n	/a °F	Min o	desian	metal to	omn	20			
10	•	al)	•	,		/	Jinai,	/cvi	ciriai)								
	Impact test	-	-				out toolog	,									°F.
11.	Hydro., pneu., o	or comb	. test pr	ess	<del></del>	520 ps	sig		Proof tes	st	n	/a					
12.	Nozzles, inspe	ction, a	nd safet	y valve	e openings:												
(Inle	Purpose et,Outlet,Drain, etc	, No		neter	Flange	Mat Nozzle	erial	N	ozzle Thick		Reir	nforcemen	nt L	How At	tached	Loca	tion
(Wile	Hot Side Inlet	.) F2	or 9	ize "	Type cl300flg	SA106B	Flange SA105I			orr. one	,	Material		Nozzle	Flange	(Insp. C	pen.)
	Hot Side Outlet	F3	2		cl300flg	SA106B	SA1051			one		<del></del> -		Welded Welded	Welded Welded		
	Cold Side Inlet	F4		1		SA106B	N/a	0.2	218" No	one				Welded		-	
(	Cold Side Outlet	F1	2" N	IPT		SA106B	N/a	0.2	218" No	one				Welded		<del> </del>	
13.	Supports: Skirt			.ugs _	No	Legs	No	Othe	rs	Foot		Α	ttach	ed Bolte	d to E Ho	od 9 End	
14	Manufacturer's	(yes or		nada .	(No.)		No.)		(D	escribe	9)			Λ.	thank and	L	
the r	Manufacturer's eport: (List the	name o	of part if	em ni	imber mfa	siluilea and	signed b	y Com	missione	d Insp	ectors	have be	een f	urnished	for the fo	lowing ite	ms of
=			or part, it		amber, mag	s. name ar	ia identity	ying ni	imber.)								
																	<del></del>
15.	Remarks: 1) TI	nis heat	exchan	ge cor	nsists of 31	gasketed h	eat trans	sfer pla	ites which	are c	lampe	d betwe	en fi	ved 8 mo	hilo hood	o bu tio	
( <u>Z</u> ) F	ieat transfer pla	<u>te mate</u>	<u>rial - 98</u>	<u>89mm</u>	x 242mm S	SA240-304	(3) Heati	ng sur	face is 62.	.4 ft2 (	4) Insi	nection o	nneni	inae ara n	at applia	hla (E) C	afoty
relie	f devices per U	G-125 a	are the r	espon	sibility of th	e user. (6)	Volume ı	oer circ	cuit is 0.32	28 ft³.	(7) Bo	th circui	ts ha	ve same	desian c	onditions	aicty
						PRTICION	TE OF C	HOD	COMPLIA	NAC							
	certify that the sorm to the ASM				vessels, Se	e correct ar ection VIII, I	nd that al Division 1	l detail 1.	s of desig	n, ma	iterial,	constlu	ction	, and worl	manship	of this ve	essel
UM	Certificate of Ai	Ithoriza	tion No.			32,743	·				expir	ech	- /			-	1
Date		<b>.</b> .	<b>)</b> 41.								-	~ <del>"/ / ),</del>	7	August 1	7, 2007	, )	
	TEO. 20	<u> </u>	) Nar	ne		ViEX Inc			Si	gned		Mil	<u> </u>	TH	1	, )	
Signe	d G	depl	_	me					Si	gned		Mil	(Re	· · · · ·	1	, )	



### **FARRIS PRESSURE MANAGEMENT**

# EDMONTON FACILITY INSPECTION TEST REPORT

11726

CUSTOMER:	ORDER#:	SE#:	MetalTag:	
Toromont	419324	419324-5	PSV-104	
PO: <b>PON185956</b>		•		
FO. TONTOSSSS				
TYPE: VALVE SIZE:		ORIFICE Fac	torySerial #:	CRN#:
27DA33-M20 - GAS 1"MNPTx	(1"FNPT	D 48	2900-22-KE	OG0386.9C
SPRING:				
SERVICE:				
	npSymbol: U\	/ NB		
CAPACITY: 859 SCFM	ipoyimoon <sub>1</sub> O (	, KD		
Supplied policy of the contract of the contrac	ColdDiff	<b>.</b>	Temp. Corr.	Temperature
Set Pressure BackPressure Diff   375 PSIG 0 PSIG 375	PSIG 37		0 PSIG	60 F
375   PSIG   0   PSIG   375     2586   KPAG   0   KPAG   2586	KPAG 25	·	0 KPAG	16 C
	·			
MATERIAL/HEAT NUMBER ASSIGNMENT:			•	
☐ MTR'S REQUIRED Body a10	Nozzle		InspectionRequired	By
WITNESS TEST REQUIRED Bonnet c13	Disc 10	821		
PERFORMANCE TEST DATA:				
Test Fluid Air Final Test Pressure	• •	D.R. Setting:		Notches
Waters 375 PSIG	Lower B.I	D.R. Setting:	+uxx	_ Notches
☐ Air Over Water 25% KPAG	Shop Tes	t Gauges Used:	1. <u>7D</u> 2	116
BackPressure TEST:	LUMBORA .	·		<u>.</u>
☐ Not Applicable, (Open Bonnet	/ Cap Design)			
V/120 PSIG Air				
SEAT TIGHTNESS TEST: API-527  Test Fluid Reg'd At Leak Tes	t Pressure <u>338</u>	233 PSIG 233	KPAG	
	e Leakage			
☐ Waters ☐ 95% Of Set Pressure LeakRat	te: 6 B.P	.M. Final	Inspection / TechTest	ed: Jim
☐ Air Over Water			DateComplete	d: May 120/05
EOD WIT	NESS TESTII	NG ONI Y		
T OK WII	NEGO ILOIN	NO ONL!		
Tested By:	Date:	· ·		
Customer Witness:	Farri:	s Witness:		
•				



### CONSTRUCTION DATA REPORT FOR PIPING SYSTEMS

In accordance with the provisions of the Safety Codes Act

Shop Construction ⊠; Field Construction □; Final Data Report ☒; Partial Data Report □ (from one ABSA-authorized Contractor to another ABSA-authorized Contractor).

### Complete both sides of this Form

1.	Constructed By:	Toromont Process	Systems Divisio	n Of Toromont 1	Industries Owne	r's Job l	No: <u>11726</u>	
	•	(Name of ABSA au	thorized primary cor	itractor or subcontra	ctor)			
		10121 Barlow Tra						<del></del>
	An A O PA			Address)	Expiry Date:	Decem	her 12 2005	5
	Alberta Quality P	Program No. AQP- <u>1</u>	+03(3)		_ LAPILY Date:	<u>D</u>	1001 12 2000	
2.	Constructed For:		(Name of primary con	Same As Above				
			•			•		
				Same As Above				
	, <u>-</u>			Address)				
	Alberta Quality P	rogram No. AQP-	_		_ Expiry Date:			
	(Required when the prim	Program No. AQP nary contractor undertakes so	ome/all of the quality fu	nctions, e.g., Mat'l sup	ply, NDE, PWHT, Ti	e-in, fabric	ation, hydro test,	final assembly
	etc.)							
3.	Owner: Hus	sky Energy Inc. 707	8th Avenue S.	W. Calgary Albe	erta T2P 3G7			<del>_</del>
			(Name and addres					
		LSD	: 100\13-29-38-0	02 W5M				
			(Location of installat	ion)				
	Alberta Quality I	Program No. AQP			Expiry Date:			
	(Required when the ow	rner undertakes some/all of	the quality functions, e	.g., Mat'l supply, NDE	E, PWHT, Tie-in, fabri	cation, hyd	iro test, final asse	embly etc.)
4.	Piping Design A	lberta Registration N	Vo.: PP-		-			
				(F	Required if aggregate	piping volu	me is over 0.5m	3)
5.	WP No.: WP-49	6.2 ; Company: <u>[</u>	Foromont Proces	s Systems	;Owner's W.	P No. (1	t used): WP	
							LAIDERIA KEY	istration No.)
	WPS No(s). used	d: WP # 1,5	,6	; Owner's wr	5 No(s). (11 used	1)		
6	. Code: AS	ME B31.1 Non Boi	ler External Pipi	ng □;	ASME B	31.1 Bo	iler Externa	l Piping □
	AS	ME B31.3 ⊠ - Serv	ice category: No	rmal ⊠, D ⊠, M	□, High Pressu	re [];	B31.5 □;	B31.9 □.

Drawing No. Rev. No. Line No.	Fluid (Air/Stm. Etc.)	Des. Press. PSI	Des. Temp <sup>0</sup> F	Test Press. PSI	Test Medium	Pipe Mat'l Spec. & Grade	C.A. IN	Pipe NPS & Schedule	Flange Material & Rating	PWHT/ Preheat Temp. <sup>0</sup> F	R.T. %	Other NDE
Dwg # 11726-101 Rev 1												
4"-HG-INLET-1-C31	GAS	375	250	413	AIR	SA-106-B	.0625	4" STD 3" STD	SA-105N 300#	60	5	VISUAL
4"-HG-V1-1-C31	GAS	375	250	413	AIR	SA-106-B	.0625	5" STD 4" STD 1" XH	SA-105N 300# SA-105N 3000# NPT	60 / NA	5/NA	VISUAL
4"-HG-V2-1-C31	GAS	375	250	413	AIR	SA-106-B	.0625	4" STD 3" STD 2" STD 1" XH	SA-105N 300# SA-105N 3000# NPT	60 / NA	5/NA	VISUAL
3"-HG-V3-1-C31	GAS	375	250	413	AÏR	SA-106-B	.0625	2" STD	SA-105N 300#	60	5	VISUAL
3"-HG-V3-C31	GAS	375	250	413	AIR	SA-106-B	.0625	3" STD	SA-105N 300#	60	5	VISUAL
3"-HG-OUTLET-C31 4"-HG-E1-2-C31 3"-HG-E1-2-C31	GAS	375	250	413	AIR	SA-106-B	.0625	4" STD 3" STD 1" XH	SA-105N 300# SA-105N 3000# NPT	60 / NA	5/NA	VISUAL
2"-HG-C1-1-C31	GAS	375	250	413	AIR	SA-106-B	.0625	4" STD 2" STD	SA-105N 300#	60	5	VISUAL
1"-HL-V1-1-C31	Hydrocarbons	375	250	413	AIR	SA-106-B	.0625	1" XH	SA-105N 3000# NPT	N/A	Ñ/A	VISUAL
1½ "-L-E2-2-C31 1½ "-L-V2-2-C31	LUBE OIL	375	250	413	AIR	SA-106-B	.0625	1½ "XH 1"XH	SA-105N 300# SW SA-105N 3000# NPT	60 / N/A	N/A	VISUAI
			-									

Partial Data Reports, properly identified and certified by ABSA-authorized contractors, as listed below are attached to and form part of this Data Report

No.	Line No.	Spool No.	Drg. No. (with Rev. No.)	Contractor (Name)	AQP No.	Expiry date
-						
-						
-						
-						
-						
-				*		
-						

Remarks: Provide additional comments including noting any code work that was not performed by the ABSAauthorized contractor(s) supplying this document as a Partial Data Report but which must be completed by another ABSA-authorized contractor who assumes overall responsibility for conformance with the Safety Codes Act & Regulations and applicable ASME Codes, and who assures that all required code work is completed prior to putting the piping system into service. Endorse certificate 'A' or 'B' A. CERTIFICATE OF COMPLIANCE B. CERTIFICATE OF COMPLIANCE Signed by the subcontractor when supplying this certificate as a Signed by the primary contractor when supplying this certificate as a Partial Data Report Final Data Report We certify that the statements in this Data Report are We certify that the statements in this Data correct and that materials, construction and Report are correct and that piping job no. 11726 workmanship of the piping fabrication conform to the described in this Data Report was constructed in registered quality system and the applicable Piping accordance with the Province of Alberta Safety code(s). Codes Act and Regulations, and applicable Date: ASME Piping Code(s). Subcontractor Date: July 6 2005 Toromont Process Systems **Primary Contractor** Print Authorized Representative's Name Rob Power This certificate is not valid unless it forms part of a Final Data Report signed by Primary Contractor Print Authorized Representative's Name Signature CERTIFICATE OF INSPECTION I, the undersigned, employed by Globol have inspected the piping job no. 11726 described in this Construction Data Report and state that, to the best of my knowledge and belief, the Contractor has constructed this piping in accordance with the applicable Sections of the ASME Piping Codes and Province of Alberta Safety Codes Act and Regulations. Date: July 6 2005 Date: Dean Labbe Sign.: Name: ABSA Safety Codes Officer Print Owner's Inspector's Name Owner's Inspector's Signature (BOILER EXTERNAL PIPING ONLY)