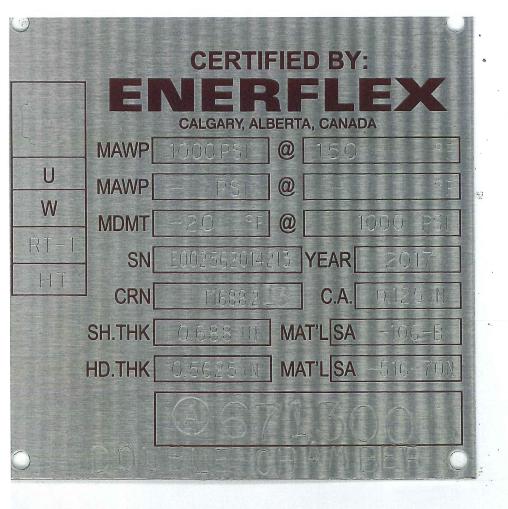
## **ENERFLEX**

# **QUALITY CONTROL**

## **ENERFLEX**

# **VESSEL**



A 671300

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

1.	Manufacti	ured an	d certifie	ed by _	Ener	lex Ltd., 4	700 47: (Name	st SE,	Calga dress of N	ry, Albe Tanufactur	erta rer)	, Canada	a, T2E	3R1_	100	2 2 5		,
					td. Rentals,													
3.	_ocation o	of instal	lation _	<u> </u>	En	erflex Ltd.	Rental (Name	s, 420 and add	7 82a\ dress)	∕e SE, C	Calg	gary Albe	erta, T	2C 2R8	3		-	
4.	Type		Horizo	ontal				Stage	e 2 & 3	Scrubb	ber			-	E002	25620142	213	
				ontal vertical, or s		400070 D	(Tank, se	parator,	jkt. vesse	el, heat exc	ch., e	etc.)		(	Manufact	turer's serial	number) 20	17
	T1	688.21	3			122679 R	ev.u											
	(	CRN)				(Drawing nur	mber)					(	National	Board nu	imber)		(Year	built)
5	ASME Co	de, Sec	tion VIII,	Div. 1	[Edition and Add	015 lenda, if applica	able (date	e)] -		(Code	Case	number)			[Spec	cial service p	er UG-120(	d)]
	ms 6–11 incl. to be completed for single wall vessels, jackets of jacketed vessels, shell of heat exchangers, or chamber of multi chamber vessels.  Shell: (a) Number of course(s) 1																	
0.	Shell. (a	a) Numi	Jei oi co	urse(s) _				(0) 00	craii ic									
		Course(s	s)	1	Mat	erial		Thick	ness		Long	g. Joint (Ca	t. A)	Circum.		t. A, B & C)	Heat Tre	eatment
No.	No. Diameter Length Spec,/Grade or Type Nom. Corr. Type Full, Spot, None F																	
1	12.7	5" OD	47.	875"	SA1	06B	0.	688"	0.125	" SMI	LS	none	100	Type 1	Ful	I 100	1150F	1.0hr
									1								- 1-17	
									-									
17			,				Body Fla	nges on	Shells									
	T														Bolting			·
No.	Туре	ID	OD	Flange Thk	Min Hub Thk	Materi	ial		ow iched	Location	N	um & Size	В	olting Ma	terial	Was (OD, II		Washer Material
-		-	-		-	-		-		-				-				-
-			_	_				_			-					_		_
-					-					_								
7.	Heads: (a	)	(Mater	SA-516	6-70N ber, grade or typ	1150F ie) (H.T. — time	for 1.0	<u>)hr</u> <sub>p.)</sub>	(	b)		SA-	516-70 pec. num	ON ber, grade	e or type)	1150F (H.T. — time	for 1.0h	nr )
		_	Т	hickness	l i	Radiu	Elliptica		onical	Hemis.		Flat		Side to P	ressure	Ca	ategory A	
	Location Bottom, E		Min.	Corr	Crown	Knuckle	Ratio	1	x Angle	Radius		Diameter	Co	nvex C	oncave	Туре	Full, S Nor	oot, Eff.
							-	+		2:1	$\dashv$		+	_	Yes		1101	
(a)	To		0.5625					_		2.1	_				-		_	
(b)	Mid	dle	1.7431	I" 0.12	5"							11.374		-				
							Body	Flances	on Head	······································								
_	T	1		1			Douy	riango	T T		T				Boltin	ıg		
							24-4		How	Attached	N	lum & Size	Bolt	ing Mater	ial	Washer	10/	har Matarial
-	Location	Туре	ID	OD	Flange Thk Mir	Hub Ink	Mater	iai	How	Attacrieu	-	IUIII & SIZE		ing water		(OD, ID, thk)	vvas	her Material
(a)	-										+							
(b)											<u> </u>	_			<u> </u>			
	Type of ja	okot							lack	et closu	re							
Ο.	Type of Ja	icket						1	_ odok	01 01000			(	Describe	as ogee a	nd weld, bar,	etc.)	
	If bar, giv	e dime	nsions .													oolted, de		
9.	MAWP _	1000 F	PSI	a	it max. temp.	150	0°F ernal)		ternal)	Min.	des	sign meta	ı temp	o. <u>-20</u>	)	at	1000 F	<u> </u>
10	Impact to	(	,	,	ption Fer UC		,	,	,			2	t test	temner	ature o	f <u>N/A</u>		
ıυ.	impact (e	οι <u>IVO,</u>	mipact I	COL EXCIT								e		.5.11POI				
11	[Indicate yes or no and the component(s) impact tested]  1. Hydro, pneu, or comb, test pressure. Hydro Test 1300 PSI																	
Iten	ems 12 and 13 to be completed for tube sections.																	
12.	Tubeshee	et [Stat	tionary (mat	terial spec. n	Diamete	er (subject to p	oress.)]		(Nomina	l thickness	s)	T [13	(Co	orr. allow.)		[Attachm	ent (welde	d or bolted)]
4.0	<b>-</b> .	[Flo	ating (mate	erial spec. no	)]	(Diameter)		(1	Nominal	thickness)			(Corr.	allow.)		7 (	Attachmen	t)
13.	Tubes	/laterial sp	oec. no., gra	ade or type)		(O.D.)		(N	ominal th	ickness)		-	(Nu	mber)		[Тур	e (straight	or U)]

## FORM U-1 (Cont'd)

\_\_\_ (b) Overall length \_\_

31.875" S/S & 113.125"\*

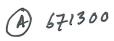
Items 14-18 incl. to be completed for inner chambers of jacketed vessels or channels of heat exchangers.

1 & 2

14. Shell: (a) No. of course(s) \_

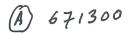
		Cou	rse(s)				Materia	al-		Thickn	ness		Lon	ng. Joint (Cat.	A) .	Circum. J	oint (Cat. A	B & C)	Heat Treat	ment
No.	Dia	meter		Lei	ngth	Spec./	Grade c	or Type	No	om.	Corr.	Тур	e	Full, Spot, None	Eff.	Туре	Full, Spot, None	Eff.	Temp.	Time
1	12.7	75" OI	)	31.8	375"	S	SA106	В	0.6	888"	0.125"	SM	LS	none	100	Type 1	Full	100	1150F	1.0hr
2*	5.56	3" OI	)	11.3	125"	S.	A106-	-B	0.6	25"	0.125"	SM	LS			Type 1	Full	100	1150F	1.0hr
-						-														
									Body Flan	ges on S	Shells				-					
	-						Ι.,							*			Bolting			
No.	Туре	ID		OD	Flange Thk	Min Hub Thk		Material	Ho	w Attach	hed Lo	cation	Νι	um & Size	Bolting	Material		asher ID, thk)	Washer N	Materia
										-		-		-						
										-		-		_						
5 H	leads: (a	a) SA	516-7	70N							- (h)	SA51	6-7	'nΝ						
o	10445. (C	1) <u>U</u>	1010 /		l spec. nun	nber, grade, or	r type) (	(H.T. — time	and temp.	)	(D)	<u>OAJ I</u>	0-7	(Material spe	ec. num	ber, grade,	or type) (H.	.T. — time	and temp.)	
	Location /	Ton		Thickr	ness		Radius	s	Filled					F! .		Side to Pr	essure		Category A	
	Location ( Bottom, E		М	lin.	Corr.	Crown	T	Knuckle	Elliptical Ratio		nical Angle	Hemis. Radius		Flat Diameter	Co		Concave	Туре	Full, Spot,	Eff.
(a)	Midd	lle	1 7	431"	0.125"					+-	_		$\dashv$	11.374"	-				None	<del> </del>
(a)					0.120									11.074						
(b)	Botto	m	0.5	625"	0.125"					-	-	2:1					Yes			<b> </b>
									D. d. El											
		1						T	Body Fi	anges o	n Heads		ī				Bolting			-
	Location		уре	ID -	OD	Flange Thk	Min Hu	ib Tbk	Material		How At	tached	Nı	um & Size	Boltin	g Material	V	asher	Machan	Matar
(a)			,,,,,						Waterial			lacrica				g material	(OD,	ID, thk)	Washer	water
													-							
(b) 6. IV	AWP 1	(Interr	nal)			max. temp												_at <u>100</u>		
(b) 6. IV 7. Im 8. H	AWP <u>1</u>	(Interrest _1	nal) No Im or co	npact T	est Exe	mption Fe ndicate yes or re <u>Hydro</u>	er UG- no and test a	-20(f) &	UCS-66 nent(s) imp	S(a)(1) pact test	(C)									
(b) 6. IV 7. Im 8. H 9. N	AWP 1	(Interrest _1	nal) No Im or co	npact T	est Exe	mption Fe	er UG- no and test a	-20(f) & I the compo	UCS-66 nent(s) imp	S(a)(1) pact test	(C)									
(b) 6. IV 7. Im 8. H 9. N	AWP 1  pact tes  ydro., prozeles, i  purpose et, Outlet,	(Interrest _1	or co	mpact Tomb. test	est Exe	mption Fe ndicate yes or re <u>Hydro</u>	er UG- no and test a	-20(f) & I the compo	UCS-66 nent(s) imp PSI	S(a)(1) pact test	(c) ed] of test				test t	empera		N/A		
(b) 6. IV 7. Im 8. H 9. N	AWP 1  upact tes  ydro., pr  ozzles, i  Purpose et, Outlet, ain, etc.)	(Interrest	or co	npact Tomb. tes and sa Diameter or Size	est Exe	mption Fe ndicate yes or re <u>Hydro</u> e opening	er UG- no and test a s:	-20(f) & at the composition of t	UCS-66 nent(s) imp PSI rial	6(a)(1) pact test Prod	of test  Nozz	le Thickr	ness orr.	Reinfr Mate	test t	empera:	chment De	N/A tails	Locati (Insp. O <sub>l</sub>	on
(b) 6. IV 7. Im 8. H 9. N	AWP 1  pact tes  ydro., prozeles, i  purpose et, Outlet,	(Interrest	or co	omb. tes and sa Diameter or Size	est Exe	mption Fe ndicate yes or re Hydro e opening	er UG- no and test a	-20(f) & at the composition of t	UCS-66 nent(s) imp	oact test Proc	of test  Nozz  Nom	le Thickr	ness orr.	Reinfo	orce.	Atta Nozz	chment De	N/A tails	Locati (Insp. O <sub>I</sub>	on
(b) 6. IV 7. Im 8. H 9. N	AWP 1 apact tes ydro., pr ozzles, i Purpose st, Outlet, ain, etc.) Attached	(Interrest	or co	npact Tomb. tes and sa Diameter or Size	est Exe	mption Fe ndicate yes or re <u>Hydro</u> e opening	er UG- no and test a	-20(f) & at the composition of t	UCS-66 nent(s) imp PSI rial . Fla	6(a)(1) pact test Prod	of test  Nozz	le Thickr	ness orr.	Reinfr Mate	orce.	empera:	chment De	N/A tails	Locati (Insp. O <sub>l</sub>	on
(b) 6. N 7. Im 88. H 99. N (Inil Dr. See	AWP 1 apact tes ydro., pr ozzles, i Purpose at, Outlet, ain, etc.) Attached upports: anufact	(Interrest	or coction,  No Im	omb. tes and sa Diameter or Size Sor no) rial Data	rest Exe	mption Fe ndicate yes or re Hydro e opening	No Legs ident	-20(f) & if the composition in t	UCS-66 nent(s) imp PSI  rial .  Fla  -  Othe signed	G(a)(1)  Product test Product	(c) led] of test  Nozz Norr (2) S (Lommissi	le Thicknown. Co	orr.	Reinfo Mate	orce.	Atta Nozz	ure of _	N/A tails lange Welde	Locati (Insp. O <sub>I</sub>     ed how)	on pen.)
(b) 6. N 7. Im 88. H 99. N See 00. S 11. M th	AWP 1 apact tes ydro., pr ozzles, i ourpose at, Outlet, ain, etc.) Attached upports: anufact e report	(Interrest 1 neu., nspec	No Imorphism or conction,  No Imorphism or conction,  No Imorphism or conction,  Improve the No Improve the Improve the No Improve the Improve the No Improve the No Improve the Imp	omb. tes and sa Diameter or Size	est Exe  It  It pressu  Ifety valv  Type  Lugs  A Reports  part, ite	mption Fe ndicate yes or re Hydro e opening  (Number)	No Legs ident; Mar	Mate N/A (Number sified and nufacture	UCS-66 nent(s) imp PSI  rial  Fla  - Othe signed er's name	product test Produ	(c) led] of test  Nozz Norr (2) S (Lommissi	le Thickr n. C Saddle Describe) ioned l ying n	ness Forr.	Reinfo Mate	test t	Atta Nozz 	ure of uchment De	N/A tails lange Welde here and the foll	Locati (Insp. O <sub>I</sub>   ed how)	on oen.)

## E002562014213 FORM U-1 (Cont'd)



CERTIFICATE OF SHOP COMPLIANCE
We certify that the statements in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1.
U Certificate of Authorization Number 48,560 Expires September 2, 2020.
Date Nov. 4 2017 Name Enerflex Ltd Signed (Representative)
CERTIFICATE OF SHOP INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by  Alberta Boilers Safety Association (ABSA)  have inspected the pressure vessel described in this Manufacturer's Data Report on  State that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND  PRESSURE VESSEL CODE, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her 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 NOV 0 6 2017 Signed (Apthorized Inspector) Commissions (NB12860 D00003710 [National Board (Incl. endorsements)]  CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE  We certify that the statements in this report are correct and that the field assembly construction of all parts of this vessel conforms with the requirements of ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. U Certificate of Authorization Number
DateNameSigned(Representative)
CERTIFICATE OF FIELD ASSEMBLY INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by  Alberta Boilers Safety Association (ABSA)
of
Date Signed Commissions [National Board (incl. endorsements)]

(04/14)

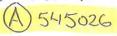


### FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET

## As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

1. Ma	nufactured and certif	ied y			Enerflex Ltd.,		Street S.E.		, Alberta,	Г2В 3R1 Can	ada	
2. Ma	nufactured for	Ene	erflex Ltd.	Rentals, 4207	82ave SE, C	Calgary Al	berta, T20	2R8				
2	ation of tootallation		Enorfloy	Ltd. Rentals, 4	•		s of Purchaser)		R			
3. Loc	ation of Installation	-	Ellelliex	Liu. Neritais, 4		ame and addres	•	120 210				
4. Typ		oriz	ontal ical, or sphere)		Stage	e 2 & 3 Scr	ubber				25620142	
	•				,		on., e.c.,			(manara	staroro soriar re	
_	T168	88.2°	13			379 Rev.0 ving Number)		- (1)	 National Board. N	umber)		2017 (Year built)
	-				F	Remarks						
ata Report em Number	Purpose (Inlet, Outlet, Drain	No.	Diameter or Size	Туре	Materi	ial	Nozzle Tr	nickness	Reinforc. Material	Attachment	Details	Location (Insp.
	etc.)				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	Open.)
N1	Process Outlet	1	4 NPS	RFWN, CL.600	SA106-B	SA105N	0.674"	0.125"		UW-16.1(c)	Type 1	Shell 1
N2	Process Outlet	1	3 NPS	RFWN, CL.600	SA106-B	SA105N	0.438"	0.125"		UW-16.1(c)	Type 1	Shell 2
N3	Process Inlet	1	4 NPS	RFWN, CL.600	SA106-B	SA105N	0.531"	0.125"		UW-16.1(c)	Type 1	Shell 1
N4	Process Inlet	1	3 NPS	RFWN, CL.600	SA106-B/ SA234-WPB	SA105N	0.600"	0.125"		UW-16.1(c)	Type 1	Head 2
C5a/b	Level Contr.	2	2 NPS	T.O.L.	SA105N		CI.6000	0.125"		UW-16.1(a)		Boot1/2
C6a/b	Dump/Insp.	2	1 NPS	T.O.L.	SA105N	,	CI.6000	0.125"		UW-16.1(a)		Boot1/2
<b>C</b> 7	Level Switch	1	2 NPS	T.O.L.	SA105N		CI.6000	0.125"		UW-16.1(c)		Head 1
C8a/b	Boot Drain	2	1 NPS	T.O.L.	SA105N		CI.6000	0.125"		UW-16.1(a)		Boot Head 1/2
C9a/b	Level Guage	2	3/4 NPS	T.O.L.	SA105N		CI.6000	0.125"		UW-16.1(a)		Shell 1/2
C10a/b	Temp. Element	2	3/4 NPS	T.O.L.	SA105N		CI.6000	0.125"		UW-16.1(a)		Shell 1/2
C11a/b	Drain	2	3/4 NPS	T.O.L.	SA105N		CI.6000	0.125"		UW-16.1(a)		Shell 1/2
C12	External Cage	1	3/4 NPS	T.O.L.	SA105N	,	CI.6000	0.125"		UW-16.1(a)		Shell 2
												1
Certificat	e of Authorization:	Ту	pe	"U"	No	48,	560	Expires	Sep	tember 2, 20	20	
										6.1		
Date	NOV 0 4 2017	N	ame		Enerflex Lt	d.	-	Si	igned	(Represe	ntative)	
Data	NOV 0 6 2017		N		•	Nas	-	Commissions	NB12	2860 D00003	710	

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS (A) 545026 renative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only) (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



-		/ 10	require	a by the Frovisio	113 01 1110 71	ONIL OOGC, I	valco, c	JOOGIOTT V	II, DIVIDIOI			
1.	Manufactured and cert	ified by <u>EN</u>	NERFLEX S	SYSTEMS LTD., EFX	COMPRESS	ION, 4700 47 S	TREET	SE CALGA	RY, AB T2E	3R1		
1	'anufactured for	FN	JERFLEX S	SYSTEMS LTD., EFX	(Name and add	ress of Manufactu	irer) STREET :	SE CALGA	RY. AB T2E	3REM	TER	同同
(					(IVallie allu au	diess of Fulchas	GII			The f	28EV¢	SIU)
					(Name	and address)					4	en en
4.	Type HORIZON	NTAL SEP	ARATOR (S	SOUR) 050 (Mfgr's	954-01	R3442.213		112809	REV 0		~	2005
E	The chemical and n	(Horiz, or ve	ert. tank)	Mfgr's) Il parts meet the requ	s serial No.)	(CRN)	ations of	Drawing) Drawing Adh	no.)	Nati E) PRESSUE	id. No.)	(Year built)
5.	VESSEL CODE. T	The design	construction	on, and workmanship	conform to A	SME Rules, Se	ction VIII	, Division 1		71 NEOGOI	2004	
to		-									Year	
to	Ado	denda (Date	)			Case Nos.				al Service per		*****
6.	Shell: SA	-106B .	۰,	0.500" Nom. Thk. (in.)		0.125".		Diam	1' 11"		enath (over	0" all) (ft. & in.)
	Seams: SMLS	G. NO., GIAU	N/A	100	1150	1.00		TYPE 1		FULL*/100		11
	Sngl., Lap, E	Butt)		100 Eff. (%)			,	ingl., Lap, Bu	tt)	or Full)	%, No.	of Courses
8.	Heads: (a) Matl		(Sn	CA-516-70N ec No., Grade)		(b) Matl			SA-516 (Spec No.	6-70N . Grade)		
		Minimum	Corrosio		Knuckle	Elliptical	Conic	al Hem	spherical	Flat		Pressure
(a)		Thickness	Allowand		Radius	Ratio	Apex A		adius	Diameter		or Concave) ICAVE
(b)		0.4375" 0.4375"	0.125"		**	2:1			**			ICAVE
(0)			07,01,20-00,24	ings)							001	107111
							Mall., Spec	No., Gr., Size,	No.)			
9.	MAWP	35 emal)		N/A (external)	ps	i at max. temp.		120 (internal	)		N/A (external	) °F
			-20	)°F a		_ psi. Hydro., pn	eu., or cor	nb. T est pre	ssure <u>H</u>	YDRO AT	371	psi.
10.	Nozzles, inspection a	nd safety va						Mana	Deleferen		leur	P
	Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type		Matl.		Nom. Thk.	Reinforcem Matl.	Att	low ached	Location
	OUTLET	1	6"	RFWN CL 300		/SA106B/SA23		0.719"			N-16.1 (C)	SHELL
1-	INLET	1	6"	RFWN CL 300	SA105N	/SA106B/SA23	4WPB	0.719"	**		N-16.1 (C)	SHELL
<u> </u>	DRAIN	1	3"	RFLWN CL 600	34	SA105N		0.810"			N-16.1 (C) N-16.1 (A)	SHELL
_	BALANCE LINE	1	1"	TOL BEN'S CPLG		SA105N SA105N		CL 6000			N-16.1 (A)	SHELL
-	INSPECTION	1 1	1.5"	TOL	_	SA105N		CL 6000			N-16.1 (A)	SHELL
-	LI/TI/SPG	3	0.75"	TOL		SA105N		CL 6000			N-16.1 (A)	SHELL
-	INSPECTION	1	2"	TOL		SA105N		CL 3000		FIG U	N-16.1 (A)	HEAD
	DRAIN	1	1"	CPLG	-	SA105N		CL 6000			N-16.1 (C)	HEAD
	DRAIN	1	1"	TOL		SA105N		CL 6000		FIG U	N-16.1 (A)	SHELL
11.	Supports: Skirt	NO	_ Lugs	N/A Legs	N/A	Other	2.5	ADDLES	Attache	edSI	HELL WEL	DED
12	Remarks: Manufactur	Yes or No)	Data Renorts	(No.) properly identified and	(No.)	nissioned Inspect		escribe) een furnishe	d for the follow		Where and h	now)
12.	Nomana, mandiactor	CI S I altai L	zata reporto	22 V7 V20A	I	NONE		7/				
0	EDVICE: COUR C	40		(Name of par	t, item number.	Mfgr's name and	identifying		ON PIPE AS	DER HG-13	95	
	ERVICE: SOUR G ONST. DRAWING N		954A REV 1		5				OGRAPHY:			)
				QUIRED PER UG-2	0(F) 1 THRO	UGH 5			CAPACITY			
				CERTIF	CATE OF SH	OP/FIELD CO	MPLIAN	CE				
				report are correct ar								onform to
				tion VIII, Division 1.					expires			
D	Date NOVEMBER 18, 2005 Co. name Enerflex Systems Ltd., EFX Compression Signed Programme (Programme International Control of Control											
-	(Manufacturer) (Representative)  CERTIFICATE OF SHOP/FIELD INSPECTION											
V	Vessel constructed by Enerflex Systems Ltd, EFX Compression at CALGARY, ALBERTA, CANADA											
100	I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of											
	ALBERTA	and e	mployed by	<i>r</i>		AE	3SA				have	e inspected
th	e component descr	ibed in this	Manufactu	rer's Data Report on	18 MONE	MBER , 20	05_, a	nd state tha	t, to the bes	t of my know	wledge and	belief, the
(				vessel in accordance								
e	-			implied, concerning th								
			and the second second	for any personal inju								
	<sub>ate</sub> NOV 1'8 2009	h		1	P 21 81 00			#213	5·4	ALBERTA		
	Signed Signed Commissions ALBERTA (Nat'l Board. (incl. endorsements) State, Prov. and No.)											



VESSEL (A): 0545026
DATE OF INSPECTION: 2005 Nov 18

ABSA
the pressure equipment safety authority

# **Certificate of Inspection Permit**

ENERFLEX SYSTEMS LTD, EFX COMPRESSION 4700 47 STREET SE

CALGARY, AB T2B 3R1 COPY

Max. Inspection Interval: 1.00

Year Built: 2005

CRN: R3442.2

Serial #: 050954-01

Volume: 0.586 M3

Heating Surface: Surface Area:

COMPANY CODE:

**DESCRIPTION: HORIZONTAL SEPARATOR** 

LOCATION: STOCK, CALGARY

MANUFACTURER: ENERFLEX SYSTEMS LTD, EFX COMPRESSION

Pressure Relief Valves

PART MAX. ALLOWABLE MAX. TEMP MIN. TEMP VALVE ID SETTING CAPACITY LOCATION
PRESSURE

VESSEL 1965 KPA 49 C -29 C SV1 TO BE INSTALLED

#### **Terms and Conditions:**

Contact the ABSA Safety Codes Officer before placing the vessel/boiler in service.

Vessel/Boiler to be installed in accordance with the Safety Codes Act and Regulations.

Verify that vessel/boiler is protected by an acceptable ASME Code pressure relief device, of adequate capacity, set at no more than maximum pressure authorized and installed in accordance with the Safety Codes Act & Regulations.

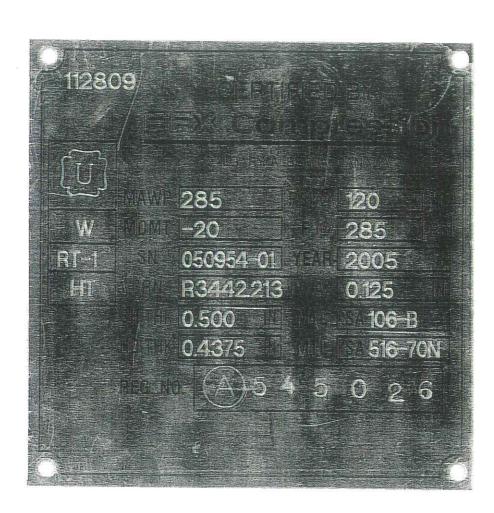
Permit Issued by: GORMAN, PAUL

Signature: \_\_\_\_

NOTE: REQUIREMENTS OF THE SAFETY CODES ACT AND THE REGULATIONS ISSUED THEREUNDER:

An owner or vendor must notify the Administrator in writing when the pressure equipment identified on this certificate is sold or otherwise disposed of.

The owner or person in charge shall report all accidents involving Pressure Equipment to the district Safety Codes Officer immediately and shall send a full report in writing to the Administrator as required by the Act. No repairs or alterations may be made unless authorized by a Safety Codes Officer.



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

E-					the surger of the surger							
1.	Manufactured and cer	rtified by <u>E</u>	NERFLEX S	YSTEMS LTD., EFX	(Name and add	ION, 4700 47 S	TREET S	SE CALGA	RY, AB T2B	3R1	nemica (a)	
1	'anufactured for	E	NERFLEX S	YSTEMS LTD. EFX	COMPRESS	ION, 4700 47 S	TREETS	SE CALGA	RY, AB T2B	3R15		
(		_			(Name and ad	dress of Purchase	er)		<b>1</b> 5	<b>占</b> (	Sept 30/	Sem
٥,	Location of installation		->		(Name	and address)						
4.	Type BOC	Horiz or	COLLECTO	OR	0951-01 s serial No.)	P7515.213 (CRN)		109488 F	REV 1	(Nat'	 I Bd. No.)	
5.	The chemical and	physical pr	operties of a	II parts meet the request, and workmanship	uirements of n	naterial specific	ations of	the ASME E	BOILER AND	PRESSI	JRE	,
to											beas	
	Ac	ddenda (Date	9)	0.500	Code (	Case Nos.		0	Specia O 75"	al Service p	er UG 120(d)	יים
6.	Matl. (Sp	ec. No., Gra	de)	0.500" Nom. Thk. (in.)		0.125" Corr. Allow. (in.)		Diam.	.D. (ft. & in.)		Length (over	all) (ft. & in.)
7.	Seams: SMLS	S DN D	N/A	100 Eff. (%)	1150	1.00	Gi	TYPE 1	ohl RT	FULL*/10	0 F % No	of Courses
	Sngl., Lap,	Butt)	i. (Spot of Pu	ii) Eii. (76)	n.i. remp (17)	Time (iii)	5	Sngl., Lap, Bu	tt)	or Full)	1 70, 110.	01 0001000
8.	Shigh, Eap, Butty  SA-516-70N (Spec No., Grade) (b) Matl. SA-516-70N (Spec No., Grade)											
100	Location (Top, Minimum Corrosion Crown Knuckle Elliptical Conical Hemispherical Flat Side to Pressure											
(0)	Bottom, Ends) Thickness Allowance Radius Radius Ratio Apex Angle Radius Diameter (Convex or Concave)  (a) TOP 0.375" 0.125" 2:1 CONCAVE											
(b)		0.375	0.125			2:1			_			ICAVE
				ings)								
								No., Gr., Size,			NIA	00
9.	MAWP(in	(40 nternal)	-	N/A (external)	ps	si at max, temp.		(internal	)	-	(external	)
				)°F a	at740	_ psi. Hydro., pn	eu., or cor	nb. T est pres	ssure H	YDRO AT	962	psi.
10.	Nozzles, inspection Purpose	and safety v	alve openings Diam.		1			Nom.	Reinforcem	ent	How	
L	(Inlet, Outlet, Drain		or Size	Type		Matl. SA105N		Thk. 0.8125"	Matl.		Attached UW-16.1 (C)	Location HEAD
$\vdash$	OUTLET	DN 1	2"	RFLWN CL 600 RFWN CL 300	SA1	05N/SA234WP	B	0.436"			UW-16.1 (C)	HEAD
	VEL CONTROLL		1.5"	TOL		SA105N		CL 6000		FIG	UW-16.1 (A)	SHELL
1	LEVEL GAUGE/IN		0.75"	TOL		SA105N		CL 6000		FIG	UW-16.1 (A)	SHELL
											**	**
L												
-												
$\vdash$												**
11.	Supports: Skirt	NO	Lugs	1 Legs	N/A	Other		N/A	Attache	ed BOT	TOM HEAD	
		(Yes or No)		(No.) properly identified and	(No.)		(E	escribe)	d for the follow	vina items a	(Where and I	
12	. Remarks: Manufacti	urers Partial	Data Reports	properly identified and		NONE	iors nave i	een turnishe	a 101 the 10110¥	mig items c	n uns report	
_	CEDVICE: MATER	COUR C		(Name of pa	rt, item number.	Mfgr's name and	Identifying		ON PIPE AS	PER LIG	125	
	SERVICE: WATER CONST. DRAWING	and the second second second	White the constitue that a construction is	1							ER UW-11(A	)
				EQUIRED PER UG-2	20(F) 1 THRO	UGH 5		The state of the state of	THE RESERVE OF THE PROPERTY OF		UBIC FEET	
Г		122				IOP/FIELD CO						
				report are correct a								onform to
				tion VIII, Division 1.						APRIL 15	, 2008	
L	Date NOVEMBER	<del>₹ 25, 2005</del>	Co. name	e <u>Enerflex System</u> (N	ns Ltd., EFX ( //anufacturer)	Compression	Signed			Representa	ative)	
				CERTII	FICATE OF S	HOP/FIELD IN:	SPECTIO	N			e t	
				s Ltd, EFX Compres					LBERTA, C.			•
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of												
-	ALBERTA and employed by ABSA have inspected											
l t	the component described in this Manufacturer's Data Report on 25 NOVEMIZER, 2005, and state that, to the best of my knowledge and belief, the anufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his											
				implied, concerning t								
1	NHV 7 5 711	llh		r for any personal inju				. 1				
1	Date NUV 2 5 2005 Signed											



VESSEL (A): 0545047 DATE OF INSPECTION: 2005 Nov 25



TO BE INSTALLED

## **Certificate of Inspection Permit**

**ENERFLEX SYSTEMS LTD, EFX COMPRESSION** 

4700 47 STREET SE

CALGARY, AB T2B 3R1

Max. Inspection Interval: 1.00

Year Built: 2005

CRN: P7515.2

Serial #: 050951-01

Volume: 0.019 M3

**Heating Surface:** 

Surface Area:

COMPANY CODE:

**DESCRIPTION: BOOT WATER COLLECTOR** 

LOCATION: STOCK, CALGARY

5102 KPA

MANUFACTURER: ENERFLEX SYSTEMS LTD, EFX COMPRESSION

38 C

Pressure Relief Valves

MAX. TEMP MIN. TEMP VALVE ID SETTING CAPACITY LOCATION PART MAX. ALLOWABLE PRESSURE

SV1

-29 C

COPY

### **Terms and Conditions:**

VESSEL

Contact the ABSA Safety Codes Officer before placing the vessel/boiler in service.

Vessel/Boiler to be installed in accordance with the Safety Codes Act and Regulations.

Verify that vessel/boiler is protected by an acceptable ASME Code pressure relief device, of adequate capacity, set at no more than maximum pressure authorized and installed in accordance with the Safety Codes Act & Regulations.

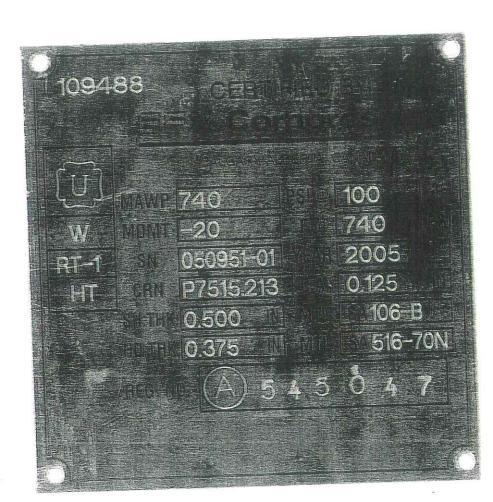
Permit Issued by: GORMAN, PAUL

Signature:

NOTE: REQUIREMENTS OF THE SAFETY CODES ACT AND THE REGULATIONS ISSUED THEREUNDER:

An owner or vendor must notify the Administrator in writing when the pressure equipment identified on this certificate is sold or otherwise disposed of.

The owner or person in charge shall report all accidents involving Pressure Equipment to the district Safety Codes Officer immediately and shall send a full report in writing to the Administrator as required by the Act. No repairs or alterations may be made unless authorized by a Safety Codes Officer.



## **ENERFLEX**

# COOLER

055572-CRN-3-R0 Additional Drawing N		ORM U-1A IV	MANUFACTUR	RER'S DATA RE	EPORT FO	OR PRE	SSURE	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 ce	nie de			(Name	and addre	ss of ma	nufact	urer)	1010, USA	
2. Manufactured for El	VERFLEX, 4700	- 47TH STR	EET SE, CAL	.GARY, Albert	a, T2B 31	R1, CAN	IADA		NTE	RED
3. Location of Installation	UNKNOWN			(Name and			357	L	(Sept 30)	080
HEAT					ame and a				6	EM
4. Type EXCHANGER (Horiz, or Vert, tank)	(Mfr's se	72.3 rial No.)	1430 (C	87.213 (RN)	(Dra	-3, REV wing No	.)		0498 Bd. No.)	/ 2005 (Year built)
<ol><li>The chemical and pl CODE. The design,</li></ol>	nysical properties	of all parts m	eet the require	ments of materi	ial specific	ations o	f the A			
	N/A	u workmansm		N/Δ		DIVISION		(year) to	N/A Addenda (	
Co	de Case Nos.		Special	Service per UG	9-120(d)			35.C 10005	ir expressionis	·
6. Shell: SA	516 70N ec. No., Grade)	1.	25"	.125" Corr. Allow. (in	) Dia	8.25"I m. I.D.(fl	O & in \	1' 4.3	75" :II) (ft, & in.)	
7. Seams: CORNER	JOINT	N/A	N/A 114	10 1.25		N/A	Δ		N/A	N/A
Long. (Welded, Dbl., Sngl	, Lap, Butt) R.T.(	Spot or Full)	Eff.(%) H.T. Ten	np (°F) Time (hr)	Girth. (W	elded, Dbl.	, Sngl., I	Lap, Butt) R.T (Sp	ot, Eff. (%) or Full	No. of Courses
8. Heads: (a) Mat'l:		SA516 (Spec. No.,	70N Grado)		(b) M	fat'l		S/	4516 70N c. No., Grade)	
Location	Minimum	Corrosion	Crown Radius	Knuckle Radius	Elliptical Ra	tio Conic	al Apex		Flat Diameter	Side to Pressure
(Top, Bottom, Ends)	Thickness	Allowance					igle	Radius	111 1/ 40 OWNIII	(Convex or Concave)
(a) TOP,BTM (b) ENDS	.75"	.125"	N/A N/A	N/A N/A	N/A N/A		IA IA	N/A N/A	4" X 16.375" 4" X 6.75"	N/A N/A
If removable, bolts used	N-11-17-00-7		IVI		1		N/A	17/858-20		
0 MANATO 645	N/A	psi at max.	temn 3	350	N/A	°F (N	at'l., Sp	oec. No., Gr., Size,	No.)	
9. MAWP——(internal)	(external)		(int		xlernal)	-				14
Min. design metal temp	-	°F at	645	psi Hy	/dro, pneu	., or con	ıb. test	pressure	Hydro. 8	339psi.
10. Nozzles, inspection				802 0		Nom.	821.1		How	
Purpose (Inlet, Outlet, Drain)	No. Diam. or S			Mat'l.		Thk.		nforcement Mat'l,	Attached	
	2 4"	300# RFW	N SA105/S/ SA105	A106 GRB		CH 160 100#	WELD		WELDED	HEADER NOZZLE
	1 1"	CPLG	SA105			00#	WELD		WELDED	HEADER
										-
11. Supports: Skirt	NO Lugs or no)	N/A Legs (No.)	N/A (No.)	Othe <u>r</u>		JCTURE scribe)		Attached	(Whe	BOLTED are and how)
12. Remarks: Manufacturer's		properly identifie	ed and signed by	Commissioned Insp	ectors, have	e been fun	nished fo	or the following items		
N/A	PSV	SET (	2 28	5 PS number, Mfgr's r	<i>'</i>	1.1	5	CFM	988	5
43.1	COTH 60 21								TED MITTER	
(A) TUBES: 48, SHEET. (B) INS	P. OPENINGS	: 96, TYPE	: 3/4" x 1	6UNF-THREAD	DED, MA	ERIAL	: SA1	05 (C) IMPAG	CT TOBE	
REQUIREMENTS:	VESSEL EXEM	PT FROM IM	PACT TESTI	NG PER UG 2	20 (f)					
		CERTIFIC	ATE OF SHO	P/FIELD COM	PLIANCE					
We certify that the state conform to the ASME	ements made in	this report a	re correct and	I that all details	of design	n, mater	ial, cor	nstruction, and v	vorkmanship expires 1:	of this vessel 2/31/2005
Date 11/08/2005	Co, name	11 1 10 10 10 10 10 10		, A Harsco Comp		017101111	-	Signed /	h hina t	100/1134
Date	_ CO, Harrie			facturer)				Oigiled	(Represen	tative)
		C	ERTIFICATE	OF SHOP/FIE	LD INSP	ECTIO	V			
Vessel constructed by	Air-X-	Changers, A Ha	arsco Company	а	t 5215 Arl	ansas Ro	ad, Cat	oosa, Oklahoma, 7	4015, USA	I, the
undersigned, holding a valid and employed by OneBea	l commission issue	d by The Nation	al Board of Boile	r and Pressure Ve	essel Insper	ctors and/	or the S	tate or Province control described in the	K, KS, MO s Manufacturers	Dala Report on
November 8, 2005	and state that, to t	he best of my k	nowledge and be	elief, the Manufact	urer has co	nstructed	this pre	ssure vessel in acc	ordance with AS	ME Code, Section
VIII, Division 1. By signing Manufacturer's Data Report	. Furthermore, neit	her the Inspector	or nor his employe	er shall be liable i	n any mand	ner for any	persor	nal injury or property	damage or a lo	ss of any kind
arising from or connected w		D a	カリ	. 6 4						
Date11/08/200	05 Signed	(0.)	Parin	Cor	mmissions <sub>.</sub>		(Nal'l F	7376A, OK652 Board (incl. endorse	, KS356, MO013 ments), State, P	

050903

U1A-12



VESSEL (A): 0552588

DATE OF INSPECTION: 2006 May 15



## **Certificate of Inspection Permit**

ENCANA CORPORATION
PO BOX 2850, 421 7 AVENUE SW
ATTN: JACK WHITTAKER
CANADIAN PLAINS AREA

CALGARY, AB T2P 4K9

COMPANY CODE:

DESCRIPTION: HEAT EXCHANGER

LOCATION: LSD 8-9-72-9 W4M (CLYDE)

MANUFACTURER: AIR-X-CHANGERS

Max. Inspection Interval:

Yr.

Year Built: 2005

CRN: T4387.2

Serial #: 055572.3

Volume: 0.007 M3

Heating Surface:

Surface Area:

				Name	Pressure	Relief Valves	
PART	MAX. ALLOWABLE PRESSURE	MAX. TEMP	MIN. TEMP	VALVE ID	SETTING	CAPACITY	LOCATION
VESSEL	4447 KPA	177 C	-29 C	PSV1	1965 KPA	82 M3	/MIN ON PIPING

COPY

### Terms and Conditions:

NOT SUBJECT TO ANNUAL FEES AS PER INFORMATION BULLETIN IB03-003 (g) AIR COOLED OR PLATE TYPE HEAT EXCHANGERS;

Owner to verify integrity of vessel by periodic inspection program.

Permit Issued by: GORMAN, PAUL

Signature:

NOTE: REQUIREMENTS OF THE SAFETY CODES ACT AND THE REGULATIONS ISSUED THEREUNDER:

An owner or vendor must notify the Administrator in writing when the pressure equipment identified on this certificate is sold or otherwise disposed of.

The owner or person in charge shall report all accidents involving Pressure Equipment to the district Safety Codes Officer immediately and shall send a full report in writing to the Administrator as required by the Act. No repairs or alterations may be made unless authorized by a Safety Codes Officer.

-	055572-CRN-4-R Additional Drawing					RER'S DATA R					ation in			
	.277					ber, Completely					A Per	552	58	σ
_	Header Volume (cu					s of the ASME C					VI		20	
1. M	anufactured and c	ertified	by Air-X-C	hangers, A	Harsco Con	ipany, 5215 Ar (Name	kansas and add	ress of ma	nufacti	, Oklanom urer)	a, 740	015, USA	MIT	1519)151
2. M	anufactured for _E	NERF	LEX, 4700	) - 47TH STR	REET SE, CA	LGARY, Albert	a, T2B	3R1, CAN	IADA			E		E1015
3 10	cation of Installation	an UN	IKNOWN			(Name and	address	of purcha	ser)			-	1	8 000
J. L.	HEAT	JII				(N	ame an	d address)					8	
4. Ty	pe EXCHANGER (Horiz, or Vert, tank)	<u> </u>	0555 (Mfr's se	572.4		388.213 CRN)		R-4, REV			504	199 Bd. No.)		2005 (Year built)
5. T	he chemical and p			0 887 8 8		/								
C	CODE. The design	ı, const	ruction, an	d workmansh	ip conform to	ASME Rules, Se	ction VI	II, Division	1	2004	to .	N/A		
100	C	ode Ca	A ise Nos.		Specia	N/A al Service per UC	G-120(d)	-		(year)		Addenda	(Date)	
6. Sh	iell: S.	A516 7	ON		2"	.125"		8.75"	D		1'7.37	′5''		
			o., Grade)	Nom.	Z'' Thk. (in.)	.125" Corr. Allow. (in	.) D			Length	(overall	) (ft. & in.)		
7. Se	eams: CORNER ng. (Welded, Dbl., Sng	JOIN Lag. (	Futt) R.T.C	N/A Spot or Full)	N/A 11 Eff.(%) H.T. Te	40 1 mp (°F) Time (hr)	Girth. (	N/A Welded, Dbl.	A Snal L	ap, Butt) R	T (Spo	N/A t, Eff. (%) or Ful	D No	N/A o. of Courses
	eads: (a) Mat'l: _	8 6 62		SA516	8 25		,	Mat'l				516 70N	,	
0, 110				(Spec. No.,	Grade)					(	Spec.	No., Grade)		
	Location (Top, Bottom, Ends		Ainimum hickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical		al Apex Igle	Hemispherica Radius	Fla	at Diameter		to Pressure ex or Concave)
(a)	TOP,BTM	7	.875"	.125"	N/A	N/A	N/A	N	I/A	N/A	3.875	5" X 19.375"	\com*	N/A
(b)	ENDS		.875"	.125"	N/A	N/A	N/A	N	I/A	N/A	3.8	375" X 7"		N/A
If ren	novable, bolts use	d (desc	ribe other t	astenings)				(1)	N/A	ec. No., Gr.,	Ciza N	0.)		
9. M	AWP (internal)		N/A (external)	psl at max		ternal) (e	N/A external)		iati., op	, 140., OI.,	0126, 11	0.7		
Min	. design metal tem		-20	°F at	17	2			b. test	pressure_		Hydro, 1	680	psi.
10.1	lozzles, inspection	and sa	afety valve	openings:										
(Inle	Purpose et, Outlet, Drain)	No.	Diam, or S			Mat'l,		Nom. Thk.		nforcement M	aťl.	How Attached		Location
IN,OU		2	3"	600# RFW		A106 GRB		SCH 160	WELD		_	WELDED		OZZLE OZZLE
DRAI	The state of the s	1	1.0	CPLG	SA105 SA105			6000# 6000#	WELD			WELDED		EADER
I Brown			I.	14120	011144				1				1	
11. S	Supports: Skirt	NO es or no)		(No.) Leg	s N/A (No.)	Other		RUCTURE Describe)		Alta	ched_		OLTE ere and l	
12. Re	emarks: Manufacturer					Commissioned Insp	,		nished fo	or the following	items o	of the report:		
N	Α			05V 5	E7 (2)	800 number, Mfgr's	P	2		-5	CF	n	3164	5
7.5	A) TUBES: 53,	7511	OD CITI								ו ז זחמ	का कारावा		
5	SHEET. (B) IN	SP. O	PENINGS:	: 106, TYP	E: 7/8" x	14UNF-THREA	DED,	MATERIAL	L: SA	105 (C)	IMPAG	OT TOBE		
	REQUIREMENTS:	VESS	EL EXEM	PT FROM IM	PACT TEST	ING PER UG 2	20 (f)							15
				CERTIFIC	ATE OF SHO	OP/FIELD COM	PLIAN	CE						
We d	certify that the sta orm to the ASME	temeni Code	ls made in for Pressu	this report a re Vessels, S	re correct and Section VIII, D	d that all details Division 1. "U" C	of desi ertificat	gn, materi e of Autho	ial, con orizatio	nstruction, an No. 424	and wo	orkmanship expires <u>1</u>	of this 2/31/2	vessel
Date	11/08/2005	Co.	nam <u>e</u>			s, A Harsco Com	oany			Signed _	11	bruan.	We li	ltt
				(2)		ıfacturer)					100	(Represen	tative)	
	(St. 1)			(	CERTIFICATI	E OF SHOP/FIL						(E		-
Vesse	el constructed by signed, holding a val	lid coma	Air-X-	Changers, A Ha	arsco Company	er and Pressure Vi	t 5215 /	Arkansas Ro	ad, Cat	oosa, Oklaho	ma, 740	015, USA		I, the
and e	mployed by OneBe	acon An	nerica Insura	ince Co. of Bost	ton, MA		have ins	spected the	compon	ent described	in this	Manufacturers	Data R	eport on
VIII. D	November 8, 2005 Division 1. By signing	this cer	rtificate neith	er the Inspector	r nor his employe	elief, the Manufact er makes any warr	anty, exp	ressed or im	plied, co	oncerning the	pressu	re vessel desc	ribed in	this
	facturer's Data Repo			Α.			n any ma	nner for any	person	al injury or pr	operty (	damage or a lo	ss of an	y kind
	oate 11/08/20		Signed	1 6.8	Pow	Con	mmission	s		7376A, C	K652,	KS356, MO01	32	
				V	5 6				(Nat'l 8	loard (incl. en	dorsen	nents). State. F	rov. and	No.)



VESSEL (A): 0552589

DATE OF INSPECTION: 2006 May 15



## **Certificate of Inspection Permit**

**ENCANA CORPORATION** 

PO BOX 2850, 421 7 AVENUE SW ATTN: JACK WHITTAKER CANADIAN PLAINS AREA CALGARY, AB T2P 4K9

COPY Heatin

Yr.

Year Built: 2005

CRN: T4288.2 Serial #: 055572.4

Volume: 0.008 M3

Heating Surface:

Max. Inspection Interval:

Surface Area:

COMPANY CODE:

**DESCRIPTION: HEAT EXCHANGER** 

LOCATION: LSD 8-9-72-9 W4M (CLYDE)

MANUFACTURER: AIR-X-CHANGERS

**Pressure Relief Valves** 

					1 1033010	Iteliel valves	
PART	MAX. ALLOWABLE PRESSURE	MAX. TEMP	MIN. TEMP	VALVE ID	SETTING	CAPACITY LOCATION	
VESSEL	8908 KPA	177 C	-29 C	PSV1	5516 KPA	90 M3/MIN ON PIPING	

### **Terms and Conditions:**

NOT SUBJECT TO ANNUAL FEES AS PER INFORMATION BULLETIN IB03-003 (g) AIR COOLED OR PLATE TYPE HEAT EXCHANGERS;

Owner to verify integrity of vessel by periodic inspection program.

Permit Issued by: GORMAN, PAUL

Signature:

NOTE: REQUIREMENTS OF THE SAFETY CODES ACT AND THE REGULATIONS ISSUED THEREUNDER:

An owner or vendor must notify the Administrator in writing when the pressure equipment identified on this certificate is sold or otherwise disposed of.

The owner or person in charge shall report all accidents involving Pressure Equipment to the district Safety Codes Officer immediately and shall send a full report in writing to the Administrator as required by the Act. No repairs or alterations may be made unless authorized by a Safety Codes Officer.

055508-CRN-5-RO	lo.			ER'S DATA RE						
Additional Drawing No.  26  Header Volume (cu.ft.)  As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1  As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1										
										3 10
1. Manufactured and ce	rtified by AIT-X-C	Jnangers, A	Harsco Com	(Name	and address	s of ma	nufacti	rer)	IOTO, OUA	dangele (a) (e)
2. Manufactured for El	VERFLEX, 470	0 - 47TH STR	EET SE, CAL	GARY, Albert (Name and	a, T2B 3R <sup>r</sup> address of	1, CAN purcha	IADA ser)		L	100 11 EIRE
3. Location of Installatio	n UNKNOWN		78	(N)	ame and ad	ldroce)	_			1/2/
HEAT 4. Type EXCHANGER	055	572,5	T186	04.213	HDR-5	The extension	-1	51	0500	2005
(Horiz. or Vert. tank)	(Mfr's se	rial No.)	(C	RN)	(Draw	ing No.	)	(Nat'l,	Bd. No.)	(Year built)
<ol><li>The chemical and place of the code. The design.</li></ol>	nysical propertie: , construction, ar	s of all parts m id workmanshi	eet the require p conform to A	ments of materi SME Rules, Se	ial specifica ction VIII, D	tions of division	1	2004 to	N/A	r.
Co	N/A de Case Nos.		Special	N/A   Service per UG	G-120(d)			(year)	Addenda (	(Date)
	516 70N		2"	.125" Corr. Allow. (in	{	3.375"	D	117.3		
WARRANT	ec. No., Grade)			0000	.) Diam	. I.D.(ft N//		Length (over	N/A	N/A
<ol> <li>Seams: CORNER Long. (Welded, Dbl., Sngl</li> </ol>	., Lap, Bull) R.T.	N/A (Spot or Full)	N/A 114 Eff.(%) H.T. Ten	10 1 np (°F) Time (hr)	Girth. (Weld	ded, Dbl.	, Sngl., L	ap, Butt) R.T (Sp	ot, Eff. (%) or Ful	No. of Courses
8. Heads: (a) Mat'l:		SA516	70N		(b) Ma	ıt'l			A516 70N	
		(Spec. No.,		Knuckle Radius	500000000000000000000000000000000000000			(Spec Hemispherical	. No., Grade) Flat Diameter	Side to Pressure
Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckie Radius	Elliptical Ratio		al Apex igle	Radius	Liat Diameter	(Convex or Concave)
(a) TOP,BTM	1"	.125"	N/A	N/A	N/A		ΙA	N/A	4" X 19.375"	N/A
(b) ENDS	.875"	.125"	N/A	N/A	N/A	N	/A	N/A	4" X 6.375"	N/A
If removable, bolts used	(describe other	fastenings)				/6.1	N/A	ec. No., Gr., Size,	No.1	
9. MAWP 1650 (internal)	N/A (external)	psi at max.	temp	350 ernal) <u>(</u> e	N/A external)	°F (M	iati., Sp	Jec. No., Gr., 5126,	NO.)	
Min. design metal tem		°F at				or com	ıb. test	pressure	Hydro. 2	2145psi.
10. Nozzles, inspection										
Purpose (Inlet, Outlet, Drain)	No. Diam. or	Size Type		Mat'l.		Nom. Thk.	Rei	nforcement Mat'l.	How Attached	Location
IN,OUT	2 2"	1500# RF\		A106 GRB		1160	WELD		WELDED	HEADER
	1 1.5"	CPLG	SA105 SA105		600		WELD		WELDED	NOZZLE HEADER
DRAIN	1 1"	CPLG	SATUS		000	UH	IAACCD		VYLLOLD	HEADER
11. Supports: Skirt	NO Lugs	N/A Legs	sN/A	Othe <u>r</u>	STRUC	CTURE	91.	Attached		BOLTED
	s or no)	(No.)								ere and how)
12. Remarks: Manufacturer's									s of the report:	4316
N/A		(Name	e of part, item	D (658) number, Mfgr's	name and lo	dentifyi	ng star	np)		
(A) TUBES: 58,	.625" OD, S	TRAIGHT: Y	ES, LENGTH	1: 150", GAU	JGE: 16B	IG, M	ATERI	AL SA179 RO	LLED TUBE	r
SHEET. (B) INS	VESSEL EXEM	: 116, TYP	E: 3/4" x	16UNF-THREA ING PER UG 2	ADED, MA' 20(f)	PERIA	L: SA	105 (C) IMP	ACT	
		CERTIFIC	ATE OF SHO	PIFIELD COM	IPLIANCE	motor	ial cor	setruction and	vorkmanehin	of this vessel
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. 4241 expires 12/31/2005										
Dale 11/08/2005	Co, name			s, A Harsco Com facturer)	pany			Signed	lelma Represen	. Ne With ntative)
		. (		OF SHOP/FII	ELD INSPE	CTIO	N			
Vessel constructed by	Air-)	K-Changers, A Ha	arsco Company	í	at 5215 Arka	nsas Ro	oad, Cat	oosa, Oklahoma, 7	74015, USA	I, the
undersigned, holding a vali	d commission issu	ed by The Natior	al Board of Boile	er and Pressure V	essel Inspect	ors and	or the S	tate or Province ent described in th	OK KS MO	e Data Report on
and employed by OneBea November 8, 2005	and state that to	the best of my k	nowledge and b	elief, the Manufac	turer has con	structed	this pre	ssure vessel in ac	cordance with AS	SME Code, Section
VIII, Division 1. By signing Manufacturer's Data Report	this cortificate neit	her the Inspector	nor his employe	er makes anv warr	anty express	sed or in	nolied, c	oncerning the pres	sure vessel desc	cnbed in this
arising from or connected v	vith this inspection.		e Set C						7.0	
Date11/08/20	05 Signe	d 6. )	Pow	Co	mmissions _		(Nat'l	7376A, OK65	2, KS356, MO01 ements), State, I	32 Prov. and No.1



VESSEL (A): 0552590 **DATE OF INSPECTION: 2006 May 15** 



# **Certificate of Inspection Permit**

COPY

**ENCANA CORPORATION** 

PO BOX 2850, 421 7 AVENUE SW ATTN: JACK WHITTAKER CANADIAN PLAINS AREA CALGARY, AB T2P 4K9

Max. Inspection Interval:

Yr.

Year Built: 2005

CRN: T1804.2

Serial #: 055572.5

Volume: 0.007 M3

**Heating Surface:** Surface Area:

COMPANY CODE:

**DESCRIPTION: HEAT EXCHANGER** 

LOCATION: LSD 8-9-72-9 W4M (CLYDE)

**MANUFACTURER: AIR-X-CHANGERS** 

Pressure Relief Valves

**SETTING** CAPACITY LOCATION **PART** MAX. ALLOWABLE MAX. TEMP MIN. TEMP VALVE ID **PRESSURE** 122 M3/MIN ON PIPING VESSEL 11376 KPA 177 C -29 C PSV1 11376 KPA

### **Terms and Conditions:**

NOT SUBJECT TO ANNUAL FEES AS PER INFORMATION BULLETIN IB03-003 (q) AIR COOLED OR PLATE TYPE HEAT EXCHANGERS;

Owner to verify integrity of vessel by periodic inspection program.

Permit Issued by: GORMAN, PAUL

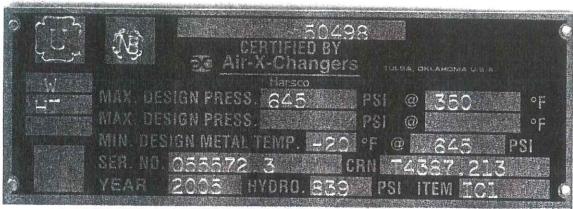
Signature:

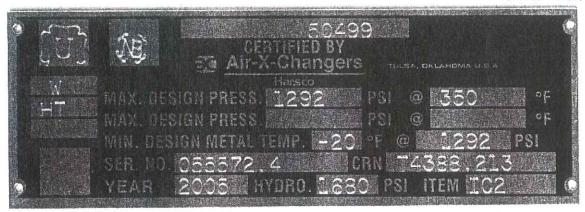
NOTE: REQUIREMENTS OF THE SAFETY CODES ACT AND THE REGULATIONS ISSUED THEREUNDER:

An owner or vendor must notify the Administrator in writing when the pressure equipment identified on this certificate is sold or otherwise disposed of.

The owner or person in charge shall report all accidents involving Pressure Equipment to the district Safety Codes Officer immediately and shall send a full report in writing to the Administrator as required by the Act. No repairs or alterations may be made unless authorized by a Safety Codes Officer.









## **ENERFLEX**

# **SPOOLING**

AB-83 2016-07

# 11 the pressure equipment safety authority

### PRESSURE PIPING CONSTRUCTION AND TEST DATA REPORT

Field Construction  $\square$ ;

In accordance with the provisions of the PESR Section 31(1)

th	ne pressure equipment safety authority Final Data Report : Partial Data	ta Report ⊠ (from one ABSA- authorized Contractor to another ABSA- authorized Contractor).
	Complete both sides of	f this Form
1.	. Constructed By: Enerflex Ltd.	Owner's Job No: E002562-01
	(Name of ABSA authorized primary contractor of 4700 47th Street SE Calgary, Alberta T21	
	Certificate of Authorization Permit No. AQP-1554 (Address)	Expiry Date: September 2, 2020
2.	. Constructed For: Enerflex Ltd Rentals, 4207 82 Ave SE, C (Name of primary contractor if d	
	STOCK	
	(Address)	
	Certificate of Authorization Permit No. AQP-N/A	Expiry Date: N/A
	(Required when the primary contractor undertakes some/all of the quality functions, e.g	g., NDE, PWHT, Tie-in, fabrication, hydro test, final assembly etc.)
3.	. Owner: Enerflex Ltd. Rentals, 4207 82 Ave SE, Calgary A	B, T2C 2R9
	(Name and address)	
	STOCK	
	(Location of installation)	Device Detect N/A
	Certificate of Authorization Permit No. AQP- N/A (Required when the owner undertakes some/all of the quality functions, e.g., NDE	Expiry Date: N/A
	(Required when the owner undertakes some/an of the quanty functions, e.g., NDE	z, F WIII, Tie-iii, fabrication, nydro test, final assembly etc.)
4.	. Piping Design Alberta Registration No.: PP	
		(Required if aggregate piping volume is over 0.5m <sup>3</sup> )
5.	. Design Responsibility: Owner □; Contractor ⊠	
6.	. WP No.: WP-496.2 ; Company: Enerflex Ltd.	Owner's WP No. (If used): WP-N/A
	(Alberta Registration No.) Spec No(s). used: 1, 2, 5, 8 ; Own	ner's Spec No(s). (If used): N/A (Alberta Registration No.)
7.	. Code: ASME B31.1 Non Boiler External Piping □; ASM B31.5 □; B31.9 □; CSA Z662 Steam Pipelines □; ASME B31.3 ⊠ - Service Category: Normal ⊠, D □	E B31.1 Boiler External Piping □;  ], M □, High Pressure □; Severe Cyclic Condition □

Shop Construction ⊠;

Drawing No. Rev. No. Line No.	Fluid (Air/Stm. Etc.)	Des. Press. psi	Des. Temp. <sup>0</sup> F (Max. & Min.)	Pressure Test Psi	Test Medium	Pipe Mat'l Spec. & Grade	C.A. in	Pipe NPS & Schedule	Flange Material & Rating	PWHT/ Preheat Temp. <sup>0</sup> F	NDE
E002562-01 Sht.1 Rev.0 4" 2S2-C32R	GAS	655	-20/300°F	-	WATER	SA106B	1/8	4" STD	SA105N CL.600 CL.300	1150/60	100% RT 100% VT
E002562-01 Sht.2 Rev.0 3" 2D2-C62R	GAS	1287	-20/350°F	-	WATER	SA106B	1/8	3" XH	SA105N CL.600	1150/60	100% RT 100% VT
E002562-01 Sht.3 Rev.0 3" HP2-C12R	GAS	230	-20/300°F	-	WATER	SA106B	1/8	2" XH	SA105N CL.600	1150/60	100% RT 100% VT
											ĺ

High Purity □

No.	Line No.	Spool No.	Dwg. No. (with Rev. No.)	Sub-contractor (Name)	AQP No. (if from Alberta)	Expiry (if from Albert
4						
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		,				
						14
				1 1 1	1 1 1 1 1	
hydros	tatic test, PWHT	etc.). For final da	ta report provide info	ode work that was not comp rmation about the code work tractor (e.g., hydrostatic test	that was not com	npleted by
All Fie	eld Welds to be I	RT in the field as w	vell as PWHT and hy	dro.		
			Endorse certifica			
		E OF COMPLIANCE ontractor when supplyin			TE OF COMPLIAN	
		Partial Data Repor		Signed by the primary contract		iis certificate as
		*		Finai	Data Report	
		statements in this	_	We certify that the st		•
		erials, construction		are correct and that p	iping job no. E0	002562-01
			on conform to the	described in this Data	a Report was con	nstructed in
_		stem and the app	officable Piping	accordance with the	Province of Albe	erta Safety
code				Codes Act and Regul	lations, and appl	licable
Date:		Contra		ASME Piping Code(	s).	
		Contrac	101	Date:Nov. 07, 2017	Enerflex I	_td
<b></b>			· .	4	Contracto	or
Print A	uthorized Represen	ntative's Name	Signature	Dennis M. Serrano		Show
his co	ertificate is no Data Report si	t valid unless it gned by Primary	forms part of a y Contractor	Print Authorized Represent	ative's Name	Signature
		CF	ERTIFICATE (	OF INSPECTION	,	
I, the	undersigned, em	ployed by		have v	erified that all red	quired
exam	ination and testir	ng has been comple	eted, and inspected the	e piping described in this co	nstruction data re	port to the
exten	t necessary to be	satisfied that it co	nforms to all applicab	le examination requirements	s of the Code and	of the
				e and belief, the contractor h		
				s. By signing this certificate		
				erning the piping described Il be liable in any manner fo		
				ed with this inspection.	n any personal mj	jury or
prope				ed with this hispection.		
Date:	Novem	60 7.20	(7	Date:		· 1
	K. KRIS	60 1.20. HORT				
		spector Name (plea		ABSA Safety Co (BOILER EXTE	des Officer (pleas ERNAL PIPING ONL	
	Lie	the state of the s				
	Owner's	s Inspector Signa	ture:	ABSA Safety Cod	les Officer's Sign	ature

Current version of this Form may be obtained from www.absa.ca

Owner's Inspector Signature:



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).

	Constructe	ed By: E	(Name	of ABSA	YSTEN authorize	IS LTD.,	EFX COM contractor or su Y, AB T21	IPRES	SION O	wner's Jol	b No: <u>05</u> 0	0903 (0	50957)
	Alberta Q				2	ALGAR	(Address)	3 3KI_	8	Date: AP	RIL 15, 20	008	
	Viocua 6	uanty i 10	grain iv	io. AQI	. 1044				туриу г	Jaic. AL.	1011 13, 2		
2.	Constructe	ed For:	7). 31		4 (2)		N/A	(4)			d.		
					(Name	of primary c	ontractor if diffe		above)	129			
		57					N/A					185	
	(3)	1		t)			(Address)				-26		
	Alberta Qualified whe	n the primary	contractor	undertakes	some/all o	f the quality fi	unctions, e.g., Ma	at'l supply,	NDE, PWHT	Date: N/A Tie-in, fabric	ation, hydro te	st, final ass	embly etc.)
3.	Owner:	g by the state of	ENERF	LEXSYS	TEMS LI	D., EFX CO	MPRESSION,	4700 - 47	TH ST. S.E.	CALGARY	, AB T2B 31	R1 ·	•
						ame and addr			-				
						EFX	COMPRESSIO	NSTOC	K				
	***************************************				(Loca	tion of instal	lation)						
	Alberta Qu	uality Pro	gram N	lo. AQI	2=	N/A		6, 119,	Expiry I	Date: N/	A		THE PERSON NAMED IN
1	(Required who	en the owner	undertake	s some/all	of the qua	lity functions	s, e.g., Mat'l sup	ply, NDE	, PWHT, Tie	in, fabricatio			bly etc.)
4.	Piping De	sign Albei	rta Reg	istratio	n No.: F	'P		/D -	N/A				
5.	WP No.: V	VP-807.2	C	ompany	: ENERFL	EX SYSTEMS	LTD. EFX COMP	ex) NOISSER	quirea it aggi Ovvner:	's WP No	volume is ove . (If used):	WP-N/	'Α ·
	· (A	Iberta Registi	ration No.	.)							(Alberta	Registrat	tion No.)
	WPS No(s	s). used: E	SL-10	2/104/1	.18		; Owner'	s WPS	No(s). (If	used): N	/A		
6	Code:	ASME	B31 1	Non B	oiler Ev	ternal Pip	vina □.		MP A	IF 1931 1 I	Boiler Exte	arnol Di	ning 🖂
0,	Codo.	TIOIVIL	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	HOILD	OHOL LA	tomar 1 if	mg Δ,		ADIV	ו וייוניל יח	DOILGE TOWN	Jiliai I ij	bmg 🗀;
3		ASME	B31.3	·□ - Se	rvice ca	tegory N	ormal M D	TA CO	TT! A. T	Daggarage F	7 721 6		010 -
×,					1 1100 00	iogory. It	ormar M, D	, 🗀, 141	□, Hign i	ressure [	]; B31.3	LI; B	31.9
15.					7,4.	iogory. It	Official 🖂, D	, 🗀, 171	□, Hign i	ressure [	]; B31.3	LJ; B	31.9
	Drawing No.	Fluid	Des.	Des.	Test	Test	Pipe Mat'l	C.A.	Pipe NPS	Flange	PWHT/	R/Г. ?	Other
	Rev. No.	(Air/Stm.)	Des. Press.	Des. Temp.	Test Press.		Pipe Mat'l `Spec. &		Pipe NPS	Flange Material &	PWHT/ Preheat		
	Rev. No.	(Air/Stm. Etc.)	Des. Press.	Des. Temp.	Test Press. PSI	Test Medium	Pipe Mat'l Spec. & Grade	C.A.	Pipe NPS & Schedule	Flange Material & Rating	PWHT/ Preheat Temp. °F	R.T. **	Other NDE
	Rev. No.	(Air/Stm. Etc.)	Des. Press. PSI	Des. Temp.	Test Press.	Test	Pipe Mat'l `Spec. &		Pipe NPS	Flange Material & Rating	PWHT/ Preheat	R/Г. ?	Other
	Rev. No.	(Air/Stm. Etc.)	Des. Press. PSI	Des. Temp. °F	Test Press. PSI	Test Medium	Pipe Mat'l Spec. & Grade	C.A.	Pipe NPS & Schedule	Flange Material & Rating SA105N 900#	PWHT/ Preheat Temp. °F	R.T. **	Other NDE
	Rev. No.	(Air/Stm. Etc.)	Des. Press. PSI	Des. Temp.	Test Press. PSI	Test Medium	Pipe Mat'l Spec. & Grade	C.A.	Pipe NPS & Schedule	Flange Material & Rating SA105N 900#	PWHT/ Preheat Temp. °F	R.T. **	Other NDE
	Rev. No.	(Air/Stm. Etc.)	Des. Press. PSI 272	Des. Temp. °F	Test Press. PSI	Test Medium	Pipe Mat'l Spec. & Grade	C.A.	Pipe NPS & Schedule	Flange Material & Rating SA105N 900#	PWHT/ Preheat Temp. °F	R.T. **	Other NDE
	Rev. No. Line No. 124942	(Air/Stm. Etc.)	Des, Press. PSI 272	Des. Temp. <sup>0</sup> F	Test Press. PSI 450	Test Medium H <sub>2</sub> 0	Pipe Mat'l Spec. & Grade SA106B	C.A.	Pipe NPS & Schedule 6"STD	Flange Material & Rating SA105N 900# 150#- 300#	PWHT/ Preheat Temp. °F	R.T. **	Other NDE
	Rev. No.	(Air/Stm. Etc.)	Des. Press. PSI 272	Des. Temp. °F	Test Press. PSI	Test Medium	Pipe Mat'l Spec. & Grade	C.A.	Pipe NPS & Schedule	Flange Material & Rating SA105N 900#	PWHT/ Preheat Temp. °F	R.T. **	Other NDE
	Rev. No. Line No. 124942	(Air/Stm. Etc.)	Des, Press. PSI 272	Des. Temp. <sup>0</sup> F	Test Press. PSI 450	Test Medium H <sub>2</sub> 0	Pipe Mat'l Spec. & Grade SA106B	C.A.	Pipe NPS & Schedule 6"STD	Flange Material & Rating SA105N 900# 150#- 300#	PWHT/ Preheat Temp. °F	R.T. %	Other NDE
	Rev. No. Line No. 124942	(Air/Stm. Etc.)	Des, Press. PSI 272	Des. Temp. <sup>0</sup> F	Test Press. PSI 450	Test Medium H <sub>2</sub> 0	Pipe Mat'l Spec. & Grade SA106B	C.A.	Pipe NPS & Schedule 6"STD	Flange Material & Rating SA105N 900# 150#- 300#	PWHT/ Preheat Temp. °F	R.T. %	Other NDE
	Rev. No. Line No. 124942	(Air/Stm. Etc.) GAS GAS	Des, Press. PSI 272	Des. Temp. <sup>0</sup> F	Test Press. PSI 450	Test Medium H <sub>2</sub> 0	Pipe Mat'l Spec. & Grade SA106B	C.A.	Pipe NPS & Schedule 6"STD	Flange Material & Rating SA105N 900# 150#- 300#	PWHT/ Preheat Temp. °F	R.T. %	Other NDE
	Rev. No. Line No. 124942	(Air/Stm. Etc.) GAS GAS	Des. Press. PSI 272	Des. Temp. °p	Test Press. PSI 450	Test Medium H <sub>2</sub> 0	Pipe Mat'l Spec. & Grade SA106B	C.A.	Pipe NPS & Schedule 6"STD	Flange Material & Rating SA105N 900# 150#- 300# SA105N 300#	PWHT/ Preheat Temp. °F	R.T. %	Other NDE  VIS  VIS
	Rev. No. Line No. 124942	(Air/Stm. Etc.) GAS GAS	Des. Press. PSI 272	Des. Temp. °p	Test Press. PSI 450	Test Medium H <sub>2</sub> 0	Pipe Mat'l Spec. & Grade SA106B	C.A.	Pipe NPS & Schedule 6"STD 4"XS	Flange Material & Rating  SA105N  900#  150#- 300#  SA105N  300#	PWHT/ Preheat Temp. °F	R.T. %	Other NDE  VIS  VIS
	Rev. No. Line No. 124942	(Air/Stm. Etc.) GAS GAS	Des. Press. PSI 272	Des. Temp. °p	Test Press. PSI 450	Test Medium H <sub>2</sub> 0	Pipe Mat'l Spec. & Grade SA106B	C.A.	Pipe NPS & Schedule 6"STD 4"XS	Flange Material & Rating  SA105N  900#  150#  300#  SA105N  300#  SA105N  300#	PWHT/ Preheat Temp. °F	R.T. %	Other NDE  VIS  VIS
	Rev. No. Line No. 124942	(Air/Stm. Etc.) GAS GAS	Des. Press. PSI 272	Des. Temp. °p	Test Press. PSI 450	Test Medium H <sub>2</sub> 0	Pipe Mat'l Spec. & Grade SA106B	C.A.	Pipe NPS & Schedule 6"STD 4"XS	Flange Material & Rating  SA105N  900#  150#  300#  SA105N  300#  SA105N  300#	PWHT/ Preheat Temp. °F	R.T. %	VIS VIS VIS
	Rev. No. Line No. 124942	(Air/Stm. Etc.) GAS GAS GAS	Des. Press. PSI 272	Des. Temp. %p 150	Test Press. PSI 450	H <sub>2</sub> 0  H <sub>2</sub> 0	Pipe Mat'l Spec. & Grade SA106B SA106B	C.A.	Pipe NPS & Schedule 6"STD 4"XS	Flange Material & Rating SA105N 900# 150# 300# SA105N 300# SA105N 300# 600#	PWHT/ Preheat Temp. °F 1150	R.T. %	VIS VIS VIS
	Rev. No. Line No. 124942	(Air/Stm. Etc.) GAS GAS GAS	Des. Press. PSI 272	Des. Temp. %p 150	Test Press. PSI 450	H <sub>2</sub> 0  H <sub>2</sub> 0	Pipe Mat'l Spec. & Grade SA106B SA106B	C.A.	Pipe NPS & Schedule 6"STD 4"XS	Flange Material & Rating  SA105N  900#  150#- 300#  SA105N  300#  SA105N  300#  SA105N  SA105N	PWHT/ Preheat Temp. °F 1150	R.T. %	VIS VIS VIS
	Rev. No. Line No. 124942	GAS  GAS  GAS	Des. Press. PSI 272	Des. Temp. % 150	Test Press. PSI 450	H <sub>2</sub> 0  H <sub>2</sub> 0  H <sub>2</sub> 0	Pipe Mat'l Spec. & Grade SA106B SA106B SA106B	C.A.	Pipe NPS & Schedule 6"STD 4"XS 4"XS 3"XS	Flange Material & Rating SA105N 900# 150# 300# SA105N 300# 600# SA105N 600#	PWHT/ Preheat Temp. °F 1150	R.T. %6	VIS VIS VIS VIS
	Rev. No. Line No. 124942	(Air/Stm. Etc.) GAS GAS GAS	Des. Press. PSI 272	Des. Temp. %p 150	Test Press. PSI 450	H <sub>2</sub> 0  H <sub>2</sub> 0	Pipe Mat'l Spec. & Grade SA106B SA106B	C.A.	Pipe NPS & Schedule 6"STD 4"XS	Flange Material & Rating SA105N 900# 150# 300# SA105N 300# 600# SA105N 600# SA105N	PWHT/ Preheat Temp. °F 1150	R.T. %	VIS VIS VIS
	Rev. No. Line No. 124942	GAS  GAS  GAS	Des. Press. PSI 272	Des. Temp. % 150	Test Press. PSI 450	H <sub>2</sub> 0  H <sub>2</sub> 0  H <sub>2</sub> 0	Pipe Mat'l Spec. & Grade SA106B SA106B SA106B	C.A.	Pipe NPS & Schedule 6"STD 4"XS 4"XS 3"XS	Flange Material & Rating SA105N 900# 150# 300# SA105N 300# 600# SA105N 600#	PWHT/ Preheat Temp. °F 1150	R.T. %6	VIS VIS VIS VIS



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).

1. (	Constructe													
		d By: _El	NERFI (Name of 100 - 47)	LEX ST of ABSA TH ST.	YSTEM authorize S.E. C	IS LTD., d primary co	EFX COM ontractor or su Y, AB T2E	PRE	SS: actor	ION Ov	vner's Job	No: <u>050</u>	903 (05	
	Alberta Qı			1			(Address)				ate: API	RIL 15, 20	008	
		5 8		o. AQI	-1044				<b>→</b>	Linping L	TAL A	10,10	,,	
2. (	Constructe	d For:	(4)		(Name	of primary co	N/A ontractor if diffe	rent fro	om a	hove)		1 .		
					(riano	or primary oc	N/A		******	•				
		-	••				(Address)							
	Alberta Qu Required when	iality Prog i the primary c	gram N ontractor i	o. AQF undertakes	some/all of	N/A f the quality fu	inctions, e.g., Ma	t'l supp	oly, N	Expiry I	Date: N/A Tie-in, fabric	ation, hydro tes	t, final asse	mbly etc.
3. (	Owner:	. E	NERFLI	EX SYST			IPRESSION, 4	700 - 4	17TE	IST. S.E.	CALGARY,	AB T2B 3R1	9	
	31 <u>4</u> 2 231-34				(Na	ame and addre		·	~~~			-		
	-						OMPRESSION	960 200 0	3/					
Į	Alberta Oi	iality Prog	gram N	o. AOF	(Loca	N/A	ation)			Expiry I	Date: N/	Alestist.	W. S	
- 1	Required whe	n the owner t	ındertakes	some/all	of the qua	lity functions	, e.g., Mat'l sup	ply, NI	DE, I	PWHT, Tie-	in, fabrication	i, hydro test, f	inal assemb	oly etc.)
	Piping Des	_				-			70		od a		0.5::3\	
5,	WP No.: V	VP-807.2 Iberta Registr	, Co	ompany N	: ENERFL	EX SYSTEMS	LTD. EFX COMP	DECOYO	224	· Oyunair	a W/D Ma	(If used):	WD N/	A ion No )
1	WPS No(s	). used: E	SL-102	2/104/1	18		; Owner	s WF	SI	Vo(s), (If	used): N	A		
6.	Code:	. ASME	B31.1	Non B	oiler Ex	ternal Pip						Boiler Exte		
	8	ASME	B31.3	□ - Se	rvice ca	tegory: N	ormal ⊠, D	□, l	M.	], High F	rëssure [	); · B31.5	□; B	31.9
T	Drawing No.	Fluid	Des.	Des.	Test	Test	Pipe Mat'l	C.A		Pipe NPS	Flange	PWHT/	R.Ţ.	Other
	Rev. No.	(Air/Stm. Etc.)	Press. PSI	Temp.	Press. PSI	Medium	Spec. & Grade	9		& Schedule	Material & Rating	Preheat Temp. <sup>o</sup> P	%	NDE
	124947	GAS	1935	350	3350	H <sub>2</sub> 0	SA106B	1/8	222	3"160 '	SA105N	1150 \	100	. VIS
, –		* · · · · · · · · · · · · · · · · · · ·	1.1.1				,	İΤ		e e	1500#,		,	
· .			2,3 %	2 "						• : :	900#			
	6 35gr⊒ ————————————————————————————————————		2.12.	(10)			81							1
	124948	· GAS	2122	150	3350	H <sub>2</sub> 0	SA106B			2"160	SA105Ņ	1150	100	VIS
1.0	30	•	11.							. 10x1	1500#			1
			127.00							1	900#			: .
.	1			1.00	00.50		GHAGE			, 00160	GA 1007	1150	. 100	
	124949	GAS	2122	150	3350	H <sub>2</sub> 0	SA106B	- 27	. :	2"160	SA105N	- 1150 }	100	VIS
			11.			<u> </u>	ļ			V .	900#			
-	124050	GAS	2122	150	3350	H <sub>2</sub> 0	SA106B	-	_	2"160	SA105N	1150	100	VIS
-	124950	GAS	2122	130	3330	1120	SWIOD.	+		2 100	7900#	1130	100	. 710
				-		-		-			1,500#	1	10 × 3	
				1	2250	TTA	GAIOCD				200		-	1
	126612	I GAS	2122	150	3350	$H_20$	SA106B	1 1		2"160	SA105N	1150	100	VIS
	126612	GAS	2122	150	3330	H <sub>2</sub> 0	SATOOB			2"160	900#	1150	100	VIS
	126612	GAS	2122	150	3350	H <sub>2</sub> U	SA106B			2"160			100	VIS



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).

					Сош	threte no	ill states of	LULI	3 T. C	71 111				
1.	Constructe	d By: <u>E</u> I	NERFI (Name of 100 - 47)	LEX ST	YSTEM authorize S.E. C	IS LTD., ed primary co	EFX COM ontractor or su Y, AB T21	IPR	ESS racto	ION Ov	vner's Job	No: <u>050</u>	903 (05	(0957)
	Alberta Qu		- 1				(Address)				ate: API	RIL 15, 20	008	
2.	Constructe	d For	£				N/A	A C		h			1 <b>4</b>	
		5			(Name	of primary co	ontractor if diffe		rom a	bove)				
							N/A							
192	All 7	19 D.	TANKS NT	- AOT	THE SECOND SEC	ATT A	(Address)	nairus		Established	ate: N/A	1	ž.	
		the primary c	ontractor	undertakes	some/all o		nctions, e.g., Ma		ply, N	NDE, PWHT,	Tie-in, fabric	ation, hydro te		embly etc.)
3.	Owner:	E	NERFLI	EX SYST			IPRESSION,	1700 -	47TE	IST. S.E. C	CALGARY,	AB T2B3R1	Lo	
					(Na	ame and addre		T OTT	·					
					/1	tion of install	OMPRESSION	ADIC	ICIK.					
	Alberta Qu	iality Prog	ram N	o. AOI		N/A	ation)			Expiry D	ate: N/	A		a a
	(Required whe	n the owner u	ındertakes	s some/all	of the qua		, e.g., Mat'l sup			PWHT, Tie-			final assemb	oly etc.)
4.	Piping Des	sign Albei	ta Reg	istratio	n No.: F	P				N/A				
<i>E</i>	WP No.: V	(7D 007 3		> + 2 2 1 2 C 1 2 Y			· · · · · · · · · · · · · · · · · · ·	nniaa	(Requ	uired if aggre	gate piping	volume is ove	r 0.5m³)	A
Э.		V P-007.2 Iberta Registra			. ENEREL	EX SYSTEMS	LTD, EFX COM	RESS	ION	, Owner	2 MT 140	(Alberta	Registrat	ion No.)
æ	WPS No(s	). used: E	SL-102	2/104/1	18		; Owner	s W	PS 1	No(s). (If	used): N/			
	Code:	ASME	B31.1	Non B	oiler Ex	ternal Pip	— ing □;			ASM	Е В31.1 I	Boiler Exte	ernal Pi	oing □;
	577. 377. 1						1000 5				_	. 2016		010 -
	a di ta	ASME	B31.3	□ - Se	rvice ca	itegory; N	ormal ⊠, D	) □,	M [	], High P	ressure [	]; B31.5	. □; B	31.9 □
Ī	Drawing No.	Fluid	Des.	Des.	Test	Test	Pipe Mat'l	C.	A.	Pipe NPS	Flange	PWHT/	R.T.	Other
	Rev. No.	(Air/Stm Etc.)	Press. PSI	Temp.	Press. PSI	Medium	Spec. & Grade	72		& Schedule	Material & Rating	Preheat Temp. °F	%	NDE .
	124941	GAS	230	300	450	H <sub>2</sub> 0	SA106B	. 1/	8"	3"STD	SA105N	1150 "	100	VIS
ı		1.				-			17.	* * * * *	. 150#	7		
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1				1		·			V	7				

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
				18 2 2 L		16.
						• •
						V
	*	,			-	

Remarks: Provide additional comments including noting any code work that was not performed by the ABSA- authorized 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	certificat	a 6 A 9	Or FR
PHUUISE	CCILILICAL	CH	din no

### A: CERTIFICATE OF COMPLIANCE

Signed by the subcontractor when supplying this certificate as a Partial Data Report

We certify that the statements in this Data Report are correct and that materials, construction and workmanship of the piping fabrication conform to the registered quality system and the applicable Piping code(s).

Date: N/A N/A Subcontractor

N/A N/A

Print Authorized Representative's Name

Signature

This certificate is not valid unless it forms part of a Final Data Report signed by Primary Contractor

### B. CERTIFICATE OF COMPLIANCE

Signed by the primary contractor when supplying this certificate as a Final Data Report

We certify that the statements in this Data Report are correct and that piping job no. 050903 (050957) described in this Data Report was constructed in accordance with the Province of Alberta Safety Codes Act and Regulations, and applicable ASME Piping Code(s).

Date: FEB. 2/06 ENERFLEX SYSTEMS LTD., EFX COMPRESSION.
Primary Contractor

Primary Contr

Print Authorized Representative's Name

Signature

### CERTIFICATE OF INSPECTION

I, the undersign	ed, employed by		have inspected the piping			
job no	described in this Co	nstruction Data Report and s	state that, to the best of my			
O	belief, the Contractor has cons iping Codes and Province of A	1 1 0		ections		
Date:		Date:		:		
	¥.	Name:	Sign.:			

Print Owner's Inspector's Name Owner's Inspector's Signature

ABSA Safety Codes Officer
(BOILER EXTERNAL PIPING ONLY)

Current version of this Form may be obtained from www.absa.ca



In accordance with the provisions of the Safety Codes Act

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

### Complete both sides of this Form

l.	Construc	tea By: _1					mpression			wher s jo	00 140; <u>03</u>	U) 6060	00499)
		4	(Name 1700 —	of ABS. 47th St	A authoriz	ed primary algary Al	contractor or s B, T2B 3R1	ubcontrac	ctor)				
	Alberta (	— Quality Pro				0 /	(Address)		Expiry 1	Date:	APRII	L 15, 20	08
0			0			M		NT/ A					
4.	Construc	ted For:			(Na	i me of prima	ry contractor if o	N/A lifferent fr	om above)				
					,	,		N/A					
		-					(Address)						
	Alberta C	Quality Pro	ogram 1	Vo. AQ	P	N/A			Expiry 1	Date:	]	N/A	
2							functions, e.g., M 700 47 STRE					est, final as	sembly etc
٥,	Owner		ENE	KULLEA		lame and add		EI S.E.	CALGAR	, AD 12D	SICI		
		÷			0.00		LSD #08-09-7	72-09 W	4M				
	-				(Loc	ation of insta	llation)						
	Alberta C	Quality Pro	ogram l	Vo. AQ	P	N	I/A is, e.g., Mat'l su	- In AIDE	Expiry 1	Date:	N/	A <sup>l</sup>	u aad
4	Piping De					amy iunction PP=	is, e.g., Mat I su	ppiy, NDE	, PWHI, HE	-m, raoricani I/A	on, nyuro test,	mai assen	bly etc.)
						-	T 4.I	¹ (Re	equired if agg	regate piping	volume is ov	er 0.5m³)	222
5.	WP No.:	WP-807.2	; C	ompan	y: Ener	Hex Syste	ems Lua.		Owner	SWITING	). (II usea)	: VY 1'-	N/A
	WPS No	(s). used:	tration isc	., ESL-10	2/104/11	18	; Owner	's WPS	No(s). (I	f used):	(Albert	N/A	tion ivo.,
6	Code:										Boiler Ext		
0.	Code.	ASIVII	E DO 1.1	I IIOII E	oner E	kternal Pij	hıng □;	: *	ADIV	ו,וכם טו	DOHEL DY	CHIAI FI	hug 🗆
		ASMI	E B31.	3 🗵 - 8	Service	category:	Normal □,	D □,	M □, Hig	gh Pressu	re □; B:	31.5 □;	B31.
R-						T2		1	Tay ama	ni.	- Data to the same of the same		Lor
	Drawing No. Rev. No.	Fluid (Air/Stm.	Des. Press.	Des. Temp.	Test Press.	Test Medium	Pipe Mat'l Spec. &	C.A.	Pipe NPS &	Flange Material &	PWHT/ Preheat	R.T. %	Other NDE
L	Line No.	Etc.)	PSI	.ºF	PSI		Grade		Schedule	Rating	Temp. °F		
	ID1 .	GAS	645	350	1125	H <sub>2</sub> 0	SA106B	1/8"	1-1/2"160	SA105N	1150	100	VIS
									4"XS	300#			
-													
-	2D1	GAS	645	350	1125	H <sub>2</sub> 0	SA106B	-	1"XXS	SA105N	1150	100	VIS
-		the mineral re-		-		i:	_	-	3"XS	400# 600#			-
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1	3D1	GAS	1935	350	3350	H <sub>2</sub> 0	SA106B	$\vdash$	1-½"XXS	SA105N	1150	100	VIS
Ì									3"160	900#			
										1500#			
	183	GAS	707	150	1125	H <sub>2</sub> 0	SA106B		6"XS	SA105N	1150	100	VIS
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 $\Box$ .



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).

1.	Construct		Enerfle (Name	x Syste of ABS/	ms Ltd A authoriz	EFX Co	mpression contractor or s 3, T2B 3R1	ıbcont	ractor)	wner's Jo	b No: <u>05</u>	50903 (0	60499)
	Alberta Q						(Address)		Expiry	Date:	APRI	L 15, 20	08
2.	Construct	ed For:				B		N/A	-				
۵.	Constitue				(Name	e of primary o	contractor if dift	erent f	rom above)				
								N/A					
				Y 103		77/1	(Address)		77	D .		DT/ A	
	(Required who	uality Pro	ogram f	VO. AQI undertake	e some/all	IN/A. of the quality f	unctions, e.g., M	at'l sup	Expiry Dollar, NDE, PWH	Date: ſ, Tie-in, fabri	cation, hydro t	est, final as	sembly etc.
3.	Owner:								E. CALGARY				
					(N	lame and add	ress)						
	_						LSD #08-09-7	2-09	W4M				
	Alberta C	mality Pro	oram N	Jo AO	(Loc	ation of instal	lation)		_ Expiry	Date:	N/	Ά	
	(Required wh	nen the owner	undertak	es some/al	l of the qu	ality function	s, e.g., Mat'l su	ply, N	DE, PWHT, Tie	-in, fabricatio	on, hydro test,	final assen	ably etc.)
4.	Piping De	esign Albe	erta Reg	gistratio	n No.: ]	PP			1	V/A		-	
5	WP No ·	WP-807.2		omnany	v Ener	flex Syste	ms Ltd.		(Required if agg Owner;	regate piping 's WP No	volume is ov	er 0.5m³) 1: WP-	N/A
٥.	(4	Alberta Regis	tration No	o.)	y . MINOX	non syste	AND AJECT		, oo. PS No(s). (I		(Albert	a Registra	ntion No.)
	WPS No(	s). used:_		ESL-10	2/104/11	18	; Owner	's W.	PS No(s). (1	f used):		N/A	
6.	Code:	ASMI	E B31.1	Non B	oiler Ez	kternal Pij	oing □;		ASM	Æ B31.1	Boiler Ext	ternal P	iping □;
		A O'M	7 D21 2	) [Z] C.		otogowy. N	Jormal 🗆		M □, High	Draggura	□. D21	5 🗆 . I	210 -
		ASIVII	C DOI.	M - 9	er vice c	alegory. 1	voimai □,	υ Ц,	w □, mgn	Tiessuie	□; ɒɔɪ.	эЦ; 1	331.9 [
	Drawing No.	Fluid	Des.	Des.	Test	Test	Pipe Mat'l	C.A	.   Pipe NPS	Flange	PWHT/	R.T.	Other
	Rev. No.	(Air/Stm. Etc.)	Press. PSI	Temp.	Press. PSI	Medium	Spec. & Grade	mn	n & Schedule	Material & Rating	Preheat Temp. <sup>0</sup> F	%	NDE
ļ.	Line No.				AN IDAGE	177.0		1/8		Carlo de la carlo		100	1 7/10
	3S2	GAS	1415	150	2225	H <sub>2</sub> 0	SA106B	170	3"XS	SA105N 1500#	1150	100	VIS
-								$\vdash$		600#		-	+-1
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r	BP2	GAS	272	150	450	H <sub>2</sub> 0 ·	SA106B		1"160	SA105N	1150	100	VIS
										1500#			
										900#			
										150#			
_													
-	HP3	GAS	230	300	450	H <sub>2</sub> 0	SA106B	$\vdash$	2-1/2"STD	SA105N	1150	100	VIS
-			-			-		$\vdash$		150#		-	
ŀ	HP4	GAS	230	300	450	H <sub>2</sub> 0	SA106B		2"XS	SA105N	1150	100	VIS
-		0/10	250	500		1120	5.11005	$\vdash$	3"STD	150#		1	1
İ										300#			
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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).

-			-			~							
1.	Construc	ted By: _]	Enerfle (Nam	x Syste	ems Ltd	I, EFX Co	ompression	ubcontra	ctor)	wner's Jo	ob No: <u>05</u>	50903 (	)60499)
			4700 –	47th St	t. SE, C	algary Al	B, 12B 3K				100		
	Alberta (	Quality Pro	ogram l	No. AQ	P-1044		(Address)		Expiry	Date:	APRI	L 15, 20	008
2.	Construc	ted For:						N/A					
					(Nam	e of primary	contractor if dif	erent from	n above)				
		-						N/A					
	A 11 auto C	)		T- 40	D	TAT / A	(Address)			Б.,			
	(Required wh	Quality Pro en the primary	contracto	r undertake	es some/all	of the quality	functions, e.g., M	at'l supply	Expiry , NDE, PWH	Date; ſ, Tie-in, fabri	ication, hydro t	N/A. est, final as	sembly etc.)
3.							700 47 STRE					TOTAL PROPERTY OF STREET	
	_				100	Vame and add							
	_						LSD #08-09-	72-09 W	'4M				
	Alberta C	)uality Pro	ogram l	Vo. AO	P- (Loc	ation of insta	llation) [/A		Expiry	Date:	N/	Al	
na.	(Required wh	ien the owner	undertak	es some/a	ll of the qu	ality function	s, e.g., Mat'l su	pply, NDI	E, PWHT, Tie	-in, fabricatio	on, hydro test,	final asser	nbly etc.)
4.	Piping Do	esign Albe	erta Re	gistratio	on No.: 1	PP		/D	1 110	V/A		0 7 7	
5.	WP No.:	WP- <b>807.2</b> Alberta Regis	; C	ompan	y: Ener	flex Syste	ems Ltd.	(R	equired if agg ; Owner	regate piping 's WP No	volume is ov (If used)	er 0.5m²) : WP	N/A
	WPS No(	s). used:	tration No	ESL-10	2/104/11	18	; Owner	's WPS	No(s). (I	f used):	(Albert	a Registra <b>N/A</b>	ntion No.)
6.	Code:	ASMI	E B31.1	Non E	Boiler Ex	xternal Pi	oing □:		ASN	E B31.1	Boiler Ext	ernal P	ning 🗇
		4 C7 4T	7 D21										
		ASIVII	2 B31.3	. ⊠ - 2	ervice c	ategory: 1	Vormal □,	D □, N	1 □, High	Pressure	□; B31.	5 □; E	331.9 □
	Drawing No.	Fluid	Des.	Des.	Test	Test	Pipe Mat'l	C.A.	Pipe NPS	Flange	PWHT/	R.T.	Other
	Rev. No. Line No.	(Air/Stm. Etc.)	Press. PSI	Temp.	Press. PSI	Medium	Spec. & Grade	mm	& Schedule	Material & Rating	Preheat Temp. <sup>0</sup> F	%	NDE
	119982	GAS	272	150	450	H <sub>2</sub> 0	SA106B	1/8"	6"STD	SA105N	1150	100	VIS
										150#			
H	126612B	GAS	2122	150	3350	H <sub>2</sub> 0	SA106B		2"160	SA105N	1150	100	VIS
-					-				-	900#			
-	FG/SG	GAS	120	100	132	N	SA106B		1-1/2"160				VIS
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Partial Data Reports, properly identified and certified by ABSA-authorized contractors, as listed below are attached to and form part of this Data Report □

			The same of the sa		
Line No.	Spool No.	Drg. No.	Contractor	AOP	Expiry
	i pour i i	(-14 D N-)			date
		(With Rev. No.)	(Mame)	140.	uate
					0
	Line No.			Line No.   Spool No.   Drg. No.   Contractor	Line No. Spool No. Drg. No. (with Rev. No.) Contractor (Name) No.

2								
Remarks: Provide additional comments including noting ABSA- authorized contractor(s) supplying this document a by another ABSA-authorized contractor who assumes over Codes Act & Regulations and applicable ASME Codes, and completed prior to putting the piping system into service.	s a Partial I all responsi	Pata Report but which must be completed bility for conformance with the Safety						
Endorse certificate 'A' or 'B'								
A. CERTIFICATE OF COMPLIANCE Signed by the subcontractor when supplying this certificate as a  Partial Data Report		TIFICATE OF COMPLIANCE primary contractor when supplying this certificate as a Final Data Report						
We certify that the statements in this Data Report are correct and that materials, construction and workmanship of the piping fabrication conform to the registered quality system and the applicable Piping code(s).  Date: N/A N/A  Subcontractor N/A N/A  Print Authorized Representative's Name Signature	are corre described accordan Codes Ad ASME P	fy that the statements in this Data Report ct and that piping job no. 050903 (060499)  I in this Data Report was constructed in ce with the Province of Alberta Safety ct and Regulations, and applicable iping Code(s).  Pay 26/06  Enerflex Systems Ltd.  Primary Contractor						
This certificate is not valid unless it forms part of a Final Data Report signed by Primary Contractor		MOODY Signature  rized Representative's Name Signature						
CERTIFICATE O  I, the undersigned, employed by	FINSPE	CCTION  have inspected the piping						
job no. described in this Construction I	Data Report	and state that, to the best of my						
knowledge and belief, the Contractor has constructed this of the ASME Piping Codes and Province of Alberta Safety	piping in a	ccordance with the applicable Sections						
Date:	Date: _							
	Name:	Sign.:						
Print Owner's Inspector's Name Owner's Inspector's Signature	-	ABSA Safety Codes Officer (BOILER EXTERNAL PIPING ONLY)						

Current version of this Form may be obtained from www.absa.ca

## **ENERFLEX**

# Pneumatic Test Report CSA B149.1 Compliance



### **CUSTOMER PNEUMATIC TESTING REPORT**

Revision: 4 Record Form Number: CAC-PRD-FRM-004

Revised: 13-Sep-16

INFORMATION							
Project #: 5090300	Customer:		Roska	Design F Indicated Drawing:	d on	80	
Associated Drawing / Spool #:		50903-SF-22 50903-SF-22	Test Pre		120		
Description of Product:		B149.1 CSA Compliance With heater line Tubing		Date: PH Jun 17			
TEST DATA						的社會議員發展	
Gauge Numbers Used:		700001026 &	700001027				
Starting Test Pressure:	"	120					
Duration of Testing:		3 Hours					
Finish Test Pressure:		80					
Soap Bubble Test Perfo	ormed?	YES					
RESULTS / COMMENT	ΓS:					AND LOOK	
Pass							
PSV 700003627 set @ 200 PSI was also used for air test							
	1						
SIGNATURES:							
Pen	And	10	Jesse Horvath		3	30-Jun-17	
(Shop Per	rsonnel Signature)		Print Name:			Date:	
4			Kris Hort		to	u30.17	
(Quality In	spector Signature)		Print Name:			Date:	
					(,)	d/mmmm/yy	
(Third Party Inspec	ctor Signature if necessar	ry)	Print Name:		2	Date:	
Copies: (1) GPS Project Binder (1) QC Project Binder (1) 3 <sup>rd</sup> Party Inspector if required							