

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 Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

1. Manufactured and certified by <u>Enerflex Ltd., 10121 Barlow Trail NE, Calqa</u>								rv, Alber	<u>ta, T3J</u>	<u>3C6</u>				
2.	Manui	actured for		(Name and address of manufacturer) Husky Oil Operations Ltd., Box 4490, Stn. D Calgary Alberta, T2P 3G7										
3.	(Name and address of purchaser) Location of installation McMullen TCP, LSD: 03-35-078-25 W4													
4.	Туре	Type Horizontal3183			(Name and address) 226 V2132.213 31833-V406 Rev.2					2010				
		(Horizontal or s	vectical, tank)	(Manufacturer's s									ear built) VESSEI	
ъ.	CODE	remical and pi . The design.	nysical proper construction.	sion 1	AGINIE BO	TECH AN	2007	VLOOLL						
	-				ship conform to ASME Rules, Section VIII, Division 1						Year			
	to -		2009 [Addenda (dat	te))		(Code Case num	e numbers)			[Special service per UG-120(d)]				
6.	Shell: SA-106B				0.687" (Nominal, thickness)		0.0625"			0' - 11.376" (Inner diameter)		3' - 0" S/S [Length (overall)]		
7.	Seams	_	al spec. number, gr nless Pipe	spec. number, grade) less Pipe		inessi	(Corr. allow.)		Type	Гуре 1		t 0.70		
••	(Long.(welded, dbl., sngl., lap, bu			(Eff., %)		(H.T	(H.T. temp.) (Time, hr)		[Girth,(welded, dbl., sngt., lap. butt)]		(R.T. (spoor full)		No. of courses	
8.	Heads: (a) Material			SA-5	SA-516-70N		(b) Material _				A-516-70N			
				(Spec.	(Spec. no., grade)						(Spec. no., grade			
		ocation (Top,	Minimum Thickness	Corrosion Allowance	Crown Radius	Knucki Redius		Coni Apex A	1	mispherical Radius	Flat Diamet	1	Pressure or Concave)	
(0.5625"	0.0625"		****	SE 2:1						Concave	
(b)			0.0625"			SE 2:1		-			Concave		
	If re	novable, bolts	used (describ	e other faste	ninas)									
If removable, bolts used (describe other fastenings)(Material spac, number, grade, size, number)														
9. MAWP 1270 PSIG at max. temp. 350°F (Internal) (External)												•		
	Min. design metal temp. <u>-20°F</u> at <u>1270 PSIG</u> . Hydro., pneu., or comb. test pressure <u>1651 PSIG</u> Proof Test													
10.	Nozz	les, inspectio	n, and safety	valve opening	s:									
Г	Purpose Number Diameter			1	Туре		Material		Nominal Thickness	1	rcement terial	How Attached	Location	
-	(Inlet, Outlet, Drain) or Size		4"NPS	CL600 RFWN		SA-105N/SA-106B		0.531"			UW16.1(c)	Shell		
	N2 - Outlet 1 4"NPS			4"NPS	CL600 RFWN		SA-105N/SA-106B		0.531"			UW16.1(c)	Head	
-				1.5"NPS 0.75"	CL600 RFLWN CL600 Studolet		SA-105N SA-105N		0.625" 1.935"			UW16.1(c) UW16.1(c)	Head Shell	
L				<u> </u>								onnected Pi	•	
	• •	orts: Skirt	(Yes or no)	Lugs (Number	r) (:	Number)		escribe)			(Where and how)		
12.	Rema	rks: Manufact	turer's Partial	Data Reports	properly iden	tified and	d signed by Comr	nissione	d Inspector	rs have be	en furnis	hed for the fo	llowing	
	items	of the report		<u> </u>	/At	ama of nad	t, item number, Manuf		ame and ident	ifvino stamn)	<u> </u>			
			Vessel T	ype: Stage	#2 Discha	rge Bot	ttle Constru	ction D	rawing: 3	1834-V4	06 Rev	.2		
			Impa	ct testing: e	xempt, per	UG-20)(f)(1-5), UCS-6	66(c)	Volun	ne: 3.1 C	u. Ft.			
Relief Valve installed on piping in accordance with UG-125														
Г					CERTIFICA	TE OF S	SHOP/FIELD CON	IPI IANO	:F			***************************************		
١,,	le cert	fy that the st	atements mad	e in this repor			t all details of des			truction, a	nd work	manship of thi	s vessel	
C	onform kpires	to the ASME	BOILER AND er 26, 2011	PRESSURE VI	ESSEL CODE,	. Section	VIII, Division 1.	"U" Cer	tificate of	Authoriza	tion Num	ber <u>33,</u>	658	
	•	27 Sept 201			Enerflex Ltd. Signe				ed	1				
上		-			CERTIF	, , , , , , , , , , , , , , , , , , , ,	F SHOP/FIELD IN	ISPECT	ON					
V	essel d	onstructed by	·		Enerflex	Ltd.			at	Calga	rv. Albe	rta, Canada		
l,	the un	dersigned, ho	lding a valid co Alberta	ommission iss		ational B employe	Board of Boiler and	d Pressu	re Vessel I	nspectors ABSA	and/or ti	ne State or Pro	ovince of	
h	ave ins	pected the co	mponent desc	ribed in this N			•		OCT 0			and state	that,	
to	the b	est of my kno	wledge and be	lief, the Manu	ufacturer has	construc	cted this pressure	vessel	in accorda	nce with A	SME BO	ILER AND PRE	SSURE	
ľ	ESSEL	CODE, Section	n VIII, Division	n 1. By signi	ng this certi	ificate ne	either the Inspect	or nor hi	s/her empl	oyer make	es any wa	arranty, expres	ssed or	
in	nplied, nell he	concerning ti liable in anv n	ne pressure ve nanner for anv	personal in u	un tr∨s Man Worr propertv	iutacture / damace	er's Data Report e or a loss of any	. rurune kind ark	sing from a	rconnect	ed with t	his inspection	· hioyei	
		OCT 0 8 20		111111	Sea	مه	Commis	sions _		14LT	7) 11	<u> </u>		
				, -	Authorized Ins	spector)			National Board	d (incl. endor	sements), S	tate, Province and	Numberl	