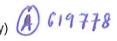
## FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS (Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only) As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1



1. Manufactured and certified by Enerflex Ltd., 3615 34 <sup>th</sup> Street N.E. Calgary, AB, T1Y 6Z8  (Name and address of Manufacturer)																
	'anufactured for Husky Oil Operations Ltd, Box 4490, Stn D, Calgary, AB, T2P 3G7															
3.	ocation of installatio	n				Mo	(Name TaMullen	e and add FCP, LS	dress of D: 03	of Purchase 3-35-078-2	er) 25 W4M					
								(Name a	and ad	dress)			T1 9 2 Day 1		2012	
	Гуре <u>STAG</u>	(Horiz	z. or vert. t	ank)		(Mfg	ır's serial l	No.)		(CRN)		(Drawing no.)		(Nat'l Bd. No.		
5.	The chemical and VESSEL CODE.	physic The de	al proper esign, co	ties of all pane	arts me	et the re kmansh	quireme	nts of m rm to AS	ateria SME F	I specifica Rules, Sec	tions of the	ASME BOILER	R AND PRESS	JRE 2010		
to		201	1					27	714					Year		
Addenda (Date)						Code Case				os.			Special Service p			
ь	Matl. (Sp		Nom.					1', 6.812"								
7. Seams: SMLS N						0			_	TY		E1SPOT_				
Long. (Welded, Dbl., R. Sngl., Lap, Butt) o				Full)		Temp (°F)			Hin	me (hr) Girth (Weld Sngl., Lap,		ed, Dbl., R.T. (Spot, Butt) or Full)		Eff No (%)	. of Courses	
8. I	Heads: (a) Matl	SA-5	16-70N lo., Grad	le)			_ (b)	) Matl		S. (Sp)	SA-516-70N pec No., Grade)					
Location (Top, Minim				ım Corrosion		own	Knuckle		Elliptical		Conical Hemispherical		al Flat	Flat Side to Pressure		
(a)	Bottom, Ends) TOP			Allowance 0.0625"	Radius 		Radius		Ratio 2:1		Apex Angle	Radius	Diameter	(Convex or Concave) CONCAVE		
(b)	(b) BOTTOM 0.4375"		75"	0.0625"	.0625" -				2:1			(44)		. CON		
If removable, bolts used (describe other fastenings)(Matt., Spec. No., Gr., Size, No.)																
9. MAWP655																
9. MAWP 655 N/A psi at max. temp. 300 (internal)  Min. design metal temp20 °F at 655 psi. Hydro., pneu., or comb. Test pressure											HYDRO AT	(external) 852				
I	Proof Test	<u> </u>					.7707.7		- 1	(!						
10.	Nozzles, inspection Purpose	and saf	Diamete			Material				Nozzle	Thickness	Reinforcement	Attachme	nt Details	T	
(Inlet, Outlet, Drain)		No.			Туре		Nozzle		ge	Nom.	Corr.	Matl.	Nozzle	Flange	Location	
	INLET	1	6"	RFWN	RFWN CL.300		SA-106-B/SA- 234-WPB		5-N	0.719"	0.0625"		FIG UW-16.1(c)	TYPE1	SHELL	
	OUTLET	1	6"	RFWN	RFWN CL.300		SA-106-B		5-N	0.719"	0.0625"	14.31	FIG UW-16.1(c)	TYPE1	SHELL	
	LC/LS	2	3"	RFLWN	RFLWN CL.300				5-N	0.813"	0.0625"		FIG UW-16.1(c)	TYPE1	SHELL	
	TI/LG/PI/INSP			SA-106-B		SA-105-N		0.344"	0.0625"	1	FIG UW-16.1(c)	TYPE1	SHELL			
_	INSP	1	2"		RFWN CL.300		SA-106-B SA-106-B/SA-		5-N	0.344"	0.0625"		FIG UW-16.1(c)	TYPE1	HEAD	
	DRAIN	1	1 1/2"	RFWN	CL.300		WPB	SA-10	5-N	0.281"	0.0625"		FIG UW-16.1(c)	TYPE1	HEAD	
11.	Supports: Skirt	YES	S In	ns	2	Lens		N/A	c	)ther	N/A	Δ Δ:	tached I	HEADS-WELL	DED	
		(Yes or	No)	(	No.)		(	No.)			(Desci	ribe)		(Where and he	ow)	
12.	Remarks: Manufactu	irer's Pa	artial Data	Reports prop	erly ider	ntified and	d signed b		issione ONE	ed Inspector	rs have been	furnished for the	following items of	this report:		
N3/N	RFHUB FLG, CL 300, SA-	IO5-N (8) S	TUDS 3/4" Y	4 % I G LINC SA.	(N:	ame of pa	art, item ni	umber. M	lfgr's n	ame and id	lentifying star	np)	MC 84 102 D7 (16)NII	TO E/O' DIA LINO O	2A 404 2H	
N6/N	RA/B/N10: RFHUB FLG, CL.3	00, SA-10	5-N.(8) STUD	5, 5/8" X 4 LG,UN	C, SA-193-E	7.(16)NUTS	5/8"DIA, UN	C, SA-194-2	H N	5: RFHUB FLG,	CL 300, SA-105-	V.(4) STUDS, "/" X 4 LO	UNC, SA-193-B7.(8)N	UTS, W'DIA, UNC, S	SA-194-2H	
co	NST. DRAWING N												RADIOGRAPI	Windship with model of white work	Augusta Socialis	
TES	STING: NO CHAR	PY IME	PACT TE	ST REQUI	RED PE				S D / E I E				CUBIC CAP	ACITY: 14 C	UBIC FEET	
w	e certify that the sta	tement	s made ir	this report	are corr					LD COMF material.		and workmans	nip of this vesse	I conform to		
												071 expires	December 7			
Da	the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No															
							-		OP/FII	ELD INSPI	ECTION		(Representat	ive)		
	essel constructed by							_at		7 - 204 7 - 100 - 1444 N. 200 - 111	CALC	SARY, ALBERTA				
1,	the undersigned, I				issued	by The I	National	Board o	of Boil			sel Inspectors a	nd/or the State			
the	ALBERTA e component descri				ata Ren	ort on	JUN	1 8 20	112	ABS , 20	W.V. 1	tate that, to the	best of my kn		inspected belief the	
	nufacturer has cons															
	akes any warranty, e										ne need measure measurement	A CONTRACTOR OF THE CONTRACTOR			ALDERSON WOOD & MARKET	
	all be liable in any m													-41	100	
Da	te <u>JUN 182</u>	<u>U1</u> Z	Signed _	Nil	any	horized I	nspector	y		_ Commis		(Nat'l Board. (inc			2 and No. \	
					Mil	HUHZEUI	napector	1			<u> </u>	ניימני טטמוט. (וחכ	i. chaoisements	y State, Prov.	anu IVO.)	