A622253

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRUSSURE 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	rtified by		- 12	Koot	enay Ir	ndustries L	td.	5982-86 / (Name	ve. S.E.	Calgary of Manufactu	/, AB T2C 4	L7	9808	•		
2. Manufactured for	<u></u>		•	She	l Cana	da 400-4	Ave	. S.W. C	algary, A	B T2P ()J4		<u> </u>			
3. Location of installation	n			Pea	ce Riv	er, AB S\	N 21	-85-18 W	5M me and addre	966)						
4. Type HORIZONTAL 12-079HS (Horiz or vert., tank) (Mfg.'s serial No.) 5. The chemical and physical properties of all parts meet the						V8559.2 (CRN)			12-079-A REV.0 (Drawing No.)			N/A (NatL Bd. No.)				
The chemical and CODE. The design	physical , construc	propertie ction, an	s of d wo	all parts orkmanshīp	meet confor	the requirem m to ASM	ents AE F	of material Rules Section	n VIII, Di	v. 1.	BE ASME BO	2010 Year	MESSONE	VEGOLE		
to 2011					2714				N/A							
10		nda(date)		-	•		Code Case No.					Special Service	The commence			
6, Shell:							.125"			'-0"	32'-0" (Length overall)					
10.4K 2010.00 E	I. (Spec. No.	, Grade)			minal Thir 100		voltano, voltano			TYPE	Diaineter) 4	FULL	100%	4		
7. Seams: TY (Long. welded,	PE 1	n hith	-	Spot or full)	(Eff. %			N/R (Time, hr)		welded, dbl., s		R.T. (Spot,	(Eff. %)	No. of courses		
		4,4		- F	2			(b) Ma	aterial		SA	or Full) (-516-70N				
8. Heads: (a) Material	8. Heads: (a) Material . SF			-516-70 (Spec. No		(0) M					(Spec. No., Grad		t- December			
Location (Top Bottom, Ends)	Minir Thick			rrosion wance	Crown Radius	Knuckle Radius		Elliptical Ratio	Conica Apex An		lemispherical Radius	Flat Diameter	(Conve	to Pressure x or Concave)		
(a) END	0.43			125"			10-	2:1					1	NCAVE		
(b) END	0.43	75"	0,	125"				2:1	<u> </u>				1 00	NCAVE		
If removable, bolts used	(describe	other fast	ening) ·					(MaP) Soc	N/A c. No., Grade	Size No.)	37.0				
0.141140	SO DOIG				N/A		at r	may temp	(mari ope		00°F		N/A			
9. MAWP	50 PSIG (Internal)	HADOLINE.			(Externa)	at max. temp.			(Internal)			(External)			
Min. design metal temp	-	-49°F		at	50 PS	SIG 1	Hydro	, pneu., or co	mb . test pro	essure	75 PSIG	Proof te	st	N/A		
10. Nozzles, inspection,	()	/ valve oo	enina	s:				0300					N.			
Purpose		Diame	neter			Material			Nozzle Thickness Nom. Corr.		Reinforcement Material	t Attachmer	nt Details	Location		
(Inlet, Outlet, Drain)	No.	or Siz			' -						Material		Nozzle Flange			
			-1			Nozzle		Flange	NOITI.	CON.		1102210	,			
		SEE	-	ATTAC	HED	SUPPLE	MEN	TARY	FORM	U-4	-					
		OLL	-	711710	120	001, 42					100.714					
11, Supports: Skirt	NO	<u> </u>	Lug	ıs N	10	Legs	NO	Othe	r	SADDLE	S Atta	ched	BTM WE			
	(Yes or	No)		(Nu	nber)	(Numbe	35,53	5000	(Describe)			(Where and	Contractor (Contractor)		
12. Remarks: Manufa	acturer's	Partial E	ata	Reports [roperly	identified ar	nd si	gned by C	ommissione	ed Inspect	ors have been	furnished for	the follow	ving		
items of the report _						(11	ul Hon	n number, Man	ufacturarie n	ome and idea	lifuing stamp)					
VOL. 1758.8 Cu. F	1 /49 8	Cu M Y	1	A AUOA	MMON	IA TANK	ng nen R	ADIOGRA	APHY AS	PER PA	RA UW-11(a	1)	1000 10			
IMPACT TEST EX	EMPT A	SPER									(SWEET SE					
IMPACT TEST EXEMPT AS PER UCS-66 Curve D (Heads & Shells), UCS-66(g) Fig. 84.1 (SWEET SERVICE) MANUFACTURE DRAWING# 12-079-A REV.2 1-2°CL300 Blind Flange c/w 8-5/8° Studs & 16-Nuts, 1-3°CL300 Blind Flange c/w 8-3/4° Studs & 16-Nuts, 1-10°CL150 Blind Flange c/w 12-7/8° Studs & 24-Nuts, 1-24°CL150 Blind Flange c/w 20-1 ½° Studs & 40-Nuts. SA-193-B7M & SA-194-2HM																
Blind Flange c/w 12-7/8*	Studs & 2	4-Nuts, 1	-24°C	L150 Blind	i Flange	c/w 20-1 1/4" S	Studs	& 40-Nuts. S	A-193-B7M	& SA-194-7	2HM					
						ERTIFICATE					manchin of this y	essel conform to	the ASME	Code for		
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 Number 38,258 Expires February 11, 2015																
Date Sent	12/1	2 co.	Name)	Koote	nay Indust	ries l	Ltd.	8	Signed	110	CU GG	<u> </u>			
				5000		(Manufac		HOP/FIEL D	INSPECTION	ON.	6	Mepresenta	uve)	1		
Vessel constructed by	.,		u	Cootenay			. 01 0		at		82-86 Ave. S.E	E. Calgary, A	В			
Vessel constructed by I, the undersigned, he	y	alid com	mice	ion issue	d hy the	National B	oard					1900 1900 19 10		ce of		
Manager Conference on						3SA		have	inspecte	d the cor	nponent descr	ibed in this i	vianufactu	rer's Data		
	mployed	th 2	012				e he	72						- 1		
Report on September 13th, 2012. 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	concern	ing the	nress	sure vess	sel des	cribed in th	is M	ianufacture	r's Data F	Report. Fi	urthermore, ne	itner the inspe	ictor nor n	15		
employer shall be liab	ole in any	manner	for a	any perso	nal inju	y or propert	y dar	mage or a l	oss of any	y kind aris	ing from or col	nected with the	iis iiispect	11/		
Date Sept 13., 20	012	Signed					_		Co	mmissions	14467		<u> 45-4</u>	1/6		
		non-maritimis)			(Author	ized inspector)					(Nat'l Board Inc	. endorsement, St	ate, Province	and No.)		

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

	As	Required				55000		Section VIII	.84			
1. Manufactured and ce	rtified by	<i></i>	Kooter	nay Industries	Ltd. 5982-8	36 Ave.S.E and Address of	 Calg Manufactu 	ary, AB T2C	4L7		-	
2. Manufactured for	*		Shell	Canada 400)- 4 Ave. S.V	V. Calgan	ı. AB	T2P 0J4				
3. Location of installatio					(e teat.	a man rada coo t	N C CALCULATION	x) .				
				360		fixalle elle ve	dress)		1			
4. Type HORIZONTAL (Horiz, vert, or sphere)					UA AMMON ank, separator, hea			12-079HS (Mig's Serial No.)				
		2			12-079-A Re	3000 78		N/A			2012	
	(CRN)				(Drawing No.)			(Nati E	d. No.)	0	Year built)	
		A (1/2)		· · · · · · · · · · · · · · · · · · ·								
10. Nozzles, inspection,	and saf	ety valve openi	ngs continued			-T				Data Na		
Purpose		Diameter or	Туре		erial	Nozzie Th		Reinforcement	Attachment Nozzle	Flange	Location	
(Inlet, Outlet, Drain, etc.)	No.	Size 2" CL300	RFLWN	Nozzle SA-350-LF2	Flange N/A	Nom. 0.53*	Corr.	Malerial INHERENT	UW-16.1(c)	N/A	(Insp. Open.) SHELL	
**************************************		1 1/2"		CL.1			4/01				SHELL	
VAPOR RECOVERY	1	CL300	RFLWN	SA-350-LF2 CL.1	. N/A	0.56"	1/8*	INHERENT	UW-16.1(c)	N/A	SHELL	
MAKE UP GAS	1	1 ½" CL300	RFLWN	SA-350-LF2 CL.1	N/A	0.56"	1/8"	INHERENT	UW-16.1(c)	N/A	SHELL	
SPARE	1	3" CL300	RFLWN	SA-350-LF2 CL.1	N/A	0.62"	1/8*	INHERENT	UW-16.1(c)	N/A	SHELL	
PSV 1	1	3" CL300	RFLWN	SA-350-LF2 CL.1	N/A	0.62'	1/8"	INHERENT	UW-16.1(c)	N/A	SHELL	
PT	1	2"CL300	RFLWN	SA-350-LF2 CL,1	N/A	0.53"	1/8*	INHERENT	UW-16.1(c)	N/A	SHELL	
LT .	2	2"CL300	RFLWN	SA-350-LF2 CL.1	N/A	0.53"	1/8"	INHERENT	UW-16.1(c)	N/A	SHELL	
VENTILATION	1	10" CL150	RFLWN	SA-350-LF2 CL.1	N/A	1.0*	1/8"	INHERENT	UW-16.1(c)	N/A	SHELL	
SPARE	1	2"CL300	RFLWN	SA-350-LF2 CL.1	N/A	0.53"	1/8*	INHERENT	UW-16.1(c)	N/A	SHELL	
PROCESS FEED	, 1	2°CL300	RFLWN	SA-350-LF2 CL.1	N/A	0.53"	1/8"	INHERENT	UW-16.1(c)	N/A	SHELL	
PSV 2	1	3"CL300	RFLWN	SA-350-LF2 CL.1	N/A	0.62*	1/8*	INHERENT	UW-16.1(c)	N/A	SHELL	
MW c/w BLIND & DAVIT	1	24" CL150	RFLWN	SA-350-LF2 CL.1	N/A	1.12"	1/8"	INHERENT	UW-16.1(c)	N/A	HEAD	
						5244500						
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								*		-		
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Certificate of Authorization	on: 1	Гуре	"U"	No.	D	38,258		Expîres	February	11, 2015		
	ī	T.					300	100	1.	MI		
Date Sept. 1	2/1	2 Name			ndustries Ltd (Manufacturer) .			Signed	Macy (Represe	AL.,	2	
Date Sept.1	201	2 Name					Co	mmissions //	1467A	A!	3-4/6	
	- (A m Amaza	(Authorized Incondu	-1		2000	/Nat'l	Board lock endorsem	ent State Pro	ovince and No.)	

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TO	GERTIFIED BY	
V.	LOCEPE IV	
Rif-1	IAWP 50 PSIAT 200 °F	
N	IDMT -49 °FAT 50 PS	31
	12-079HS _{YEAR BUILT 2012}	
SERIAL NO		
VAES	(A) 622253	
ORN V855	PEDAQUA AMMONTA TANK	
SHELL	+516+70N	
THICKNESS	0.50 INCHES	
TAG V=1 5982 - 86 AVE	S.E. CALGARY, CANADA Ph. 403-720-2722	

Job#12-079