			Ultrasonic Inspection Report										
	SPECTION SE	RVICES LTD	D		Job -	#:		Repo	ort #:		In	spection D	ate:
					-			UT	-BV-1		M	larch 18, 2	013
Clie	nt: CNF	CNRL			Location: Grand Forks Gas Plant								
Procedure: UT-0001			Item Inspected: Vessel Flare Knock Out Drum C38332										
Coo	de: ASN	/IE Secti	ion VIII	Div 1	1				<u> </u>	- · [_		—
Surface Condition:		on:	Painted ⊠ Sandl Weldment □			dblasted Other	er 🗌 🦳 Machined 🛄			As Cast As Forged Material: C.S.			
Scanning Surface:						Other	:	Surface			e Temp (°C): > 5° / < 60°		
Method:			Contact 🛛				Immersion D Othe			Other [er 🗌		
Туре:			P/E 🗌			T/T	T/T Dual 🛛		l 🛛	Automated TOFD			
Application:			Laminar 🛛 S				hear Wave	ear Wave 🗌 🛛 Volumetrie			ric 🗌 Thickness 🛛		
Instrumentation:			Mfg: G.E. Type: Krau				tkramer Equip #: DMS2				Serial #: 020XP6		
(Calibratio	on:	Date: 01/				2/2013	/2013			Reference Flaw Size: Backwall		
Calibration Block (s)			Type: Block#:					Туре:			Block#:		
		´ Τ <u></u>	Type: .5" Stepwedge E			Block#: 10	x#: 10-2192		ie:		Block#:		
Couplant:			Brand: Sono Tech Type: E				gel	Cable: Type: Coa		oaxial	axial Length: 36"		
	PROBE						Bof	ettings -	dB Transfor	h Scro	ange	IN	MM
Manufacturer	Туре	Serial	# Ar	ngle	Frequency	Size	Level	Level	Value	Size	9	Value	Travel
G.E.	Dual	0200L	LL	0	7.5Mhz	0	6db						
Scope and Inspection Results													
Carry out UT examination of Flare Knock Out Drum at LSD: 04-01-013-13W4M. Check for corrosion of the heads, shell, bridle and associated piping to verify integrity for service and identify any areas of concern. Results: UT examination was carried out; all readings taken were 10" band scans with three readings per TML location/band. Minimum, Maximum and Average readings were taken and recorded in each location. All readings were found to be at or above nominal on the heads, shell, bridle and associated piping. See attached Pictures, drawing and UTM Readings for locations and thicknesses recorded. Recommendation: Continue to carry out UT corrosion survey and Visual inspections at the required inspection frequency. Final Comment: Flare Knock Out Drum is fit for continued service.													
Time and Billing Information:													
Vehicle #:	001		Kms:		Hrs		Tech. (Nar	ne): Bla	air Verae			SNT-TC-1A:	1
Time In:	00:00	Tim	ne Out:	00	0:00		Tech. (si	gn):	-6-			CGSB Level:	I
Time In:	00:00	Tim	ne Out:	00	0:00	(Client (Nar	me):				CGSB #:	5586
Personnel: Eve Gelinas Blair Verge Client (sign):									·				
Additional Billing Information: -													

Blair Verge - 11 Scott Crescent S.E.,Medicine Hat Alberta (403) 580-7111



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UT Readings for C38332 Flare Knock Out Drum

	<u>Minimum</u>	<u>Maximum</u>	<u>Average</u>
LOC 5	0.386	0.392	0.388
LOC 10	0.381	0.384	0.383
LOC 15	0.382	0.383	0.383
LOC 20	0.39	0.391	0.391
LOC 25	0.379	0.381	0.38
LOC 30	0.378	0.383	0.381
LOC 35	0.376	0.38	0.378
LOC 40	0.21	0.231	0.228
LOC 45	0.207	0.235	0.219
LOC 50	0.389	0.391	0.389
LOC 55	0.205	0.221	0.212
LOC 60	0.273	0.327	0.282
LOC 65	0.289	0.294	0.289
LOC 70	0.277	0.32	0.283