

Ultrasonic Inspection Report

Job #: Report #: Inspection Date:
- UT-BV-01 08/29/2013

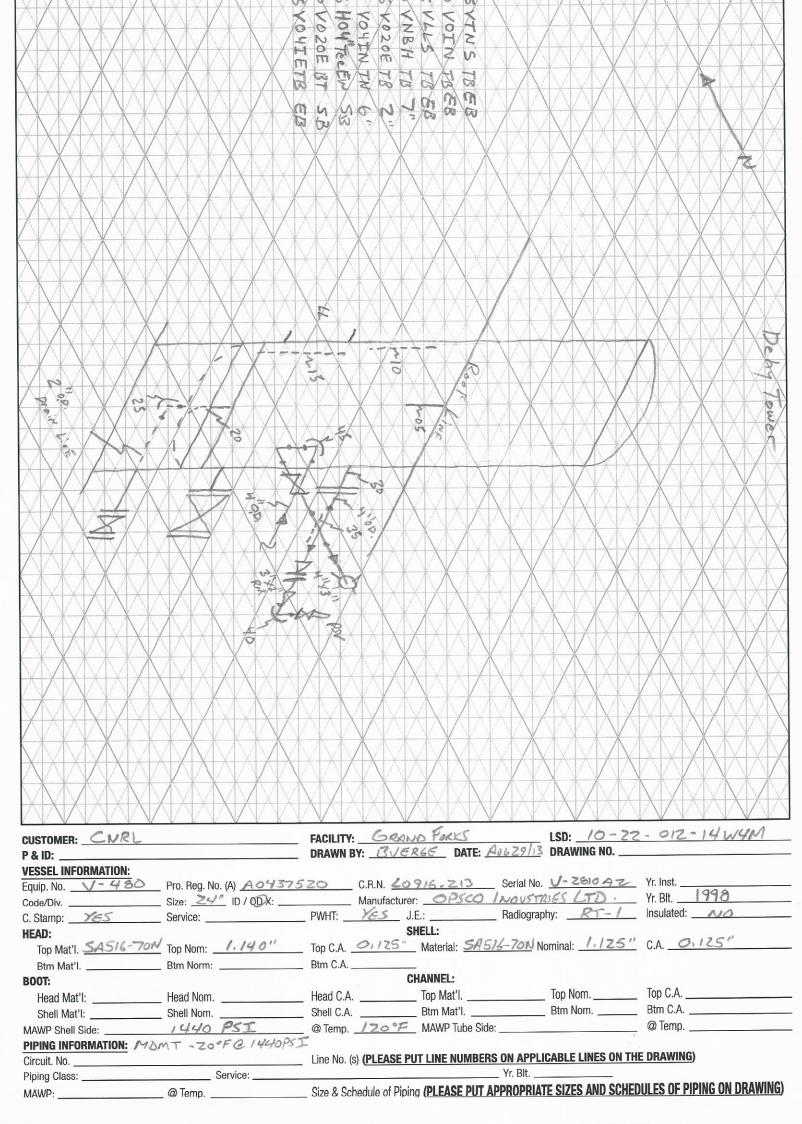
Clie	nt: CNRL						Location:	Hays ,	Alberta			
Procedu	re: UT-	:: UT-0001		Item Inspecte		ected:	d: Vessel Dehy Tower LSD10-22		SD10-22-0)12-14W4M		
Co	de: ASM	ΛΕ Se	ection V	/III								
Surface	. Conditio	n:	Р	ainted [] :	Sandblas	ted 🗌	Machined	d 🗌	As Cast 🗌	As	Forged 🛚
Surface Condition:		л.	Weldment				Other			Material: C.S.		
Scanning Surface:			OD 🛛 ID 🗌				Other: Sur			urface Temp	(°C): > 5	° / < 60°
Method:			Contact ⊠				Immersion			Other		
Туре:			P/E 🗌				T/T 🗌	Du	Dual 🛛 Automated		☐ TOFD ☐	
Application:			Laminar 🛛				Shear Wav	е	Volumetric ☐ Thickness			ckness 🛚
Instrumentation:			Mfg: G.E. Type: Krautkramer Equip #: DMS2 Serial #: 020X								#: 020XP6	
Calibration:		n:	Date				1/04/2013	Reference Flaw Size: Backwall				
Calibration Block (s):		s)·	Type: Blo			Block#	' :	Type:		Block#:		
		٠,٠	Type: .5" Stepwedge Blo			Block#	±: 10-2192	Type:		Block#:		
	Coupla	nt:	Brand	: Sono T	ech	Type: E		Cable	71.		Length: 3	
		F	PROBE		l		S	ettings -	1	Rang	e - 🗌 IN. 🗀	MM
Manufacturer	Туре	Ser	rial #	Angle	Frequenc	cy Siz	e Ref Level	Scan Level	Transfer Value	Screen Size	Skip Value	Beam Travel
G.E.	Dual	02	00LL	0	7.5Mhz	: 0	6db					
Scope and In	spection	Resu	ılts									
Carry out UT examination of the Dehy Tower A0437520 LSD10-22-012-14W4M. Check for corrosion of the Heads, Shell 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. Readings were found to at or above nominal. 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: Dehy Tower was found to be fit for continued service.												
Inspection Limitation(s): None Time and Billing Information:												
	1	orm			Ι.		- .	. _	1-1- M		CNIT TO 45	
Vehicle #:	001	+_		ns:		irs	Tech. (Na		lair Verge		SNT-TC-1A:	1
Time In:	00:00		ime O		0:00		Tech. (s	_			CGSB Level:	+
Time In:	00:00 Time Out: 00:00 Mike Ratzlaff Blair Verge				Client (Name): CGSB #: 5586 Client (sign):							
Personnel: Additional Bil				:	-		Cilent (S	sign):				



CORROSION INSPECTION SERVICES

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UT Readings for A0437520 Dehy Tower

	<u>Minimum</u>	<u>Maximum</u>	<u>Average</u>
LOC 5	1.139	1.14	1.14
LOC 10	1.138	1.143	1.142
LOC 15	1.136	1.144	1.14
LOC 20	1.155	1.272	1.198
LOC 25	0.364	0.399	0.366
LOC 30	1.056	1.06	1.06
LOC 35	0.495	0.63	0.54
LOC 40	0.304	0.314	0.313
LOC 45	0.303	0.314	0.31