

## **Ultrasonic Inspection Report**

 Job #:
 Report #:
 Inspection Date:

 --UT-BV-1
 March 28, 2012

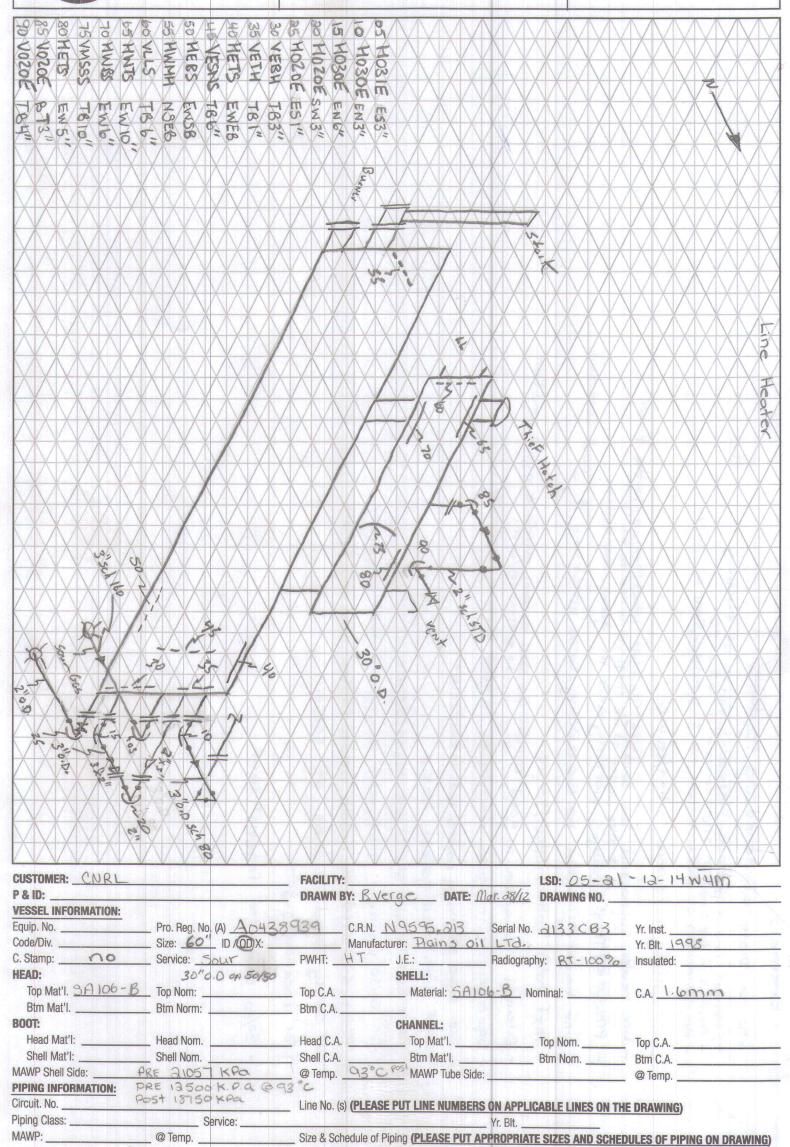
Clie	ent: CNI	RL				L	ocation:	5-21 LSD	0: 05-21-1	2-14W4M			
Procedu	re: UT-	UT-0001 Item Inspected: Vessel Line Heater A0438939											
Co	de: ASN	ASME Section VIII Div 1											
Surface Condition:		on:	Painted ⊠ Sandb Weldment □			ndblasted Other	nsted		□ A	s Cast   Material:	As C.S.	Forged $\square$	
Scanning Surface:			OD 🛛 ID 🗍			Other	ther:		Su	urface Temp (°C):   > 5° / < 60°			
Method:			Contact 🛛				Immersion			Other			
Type:		pe:	P/E 🗌			T/T	T/T Dual 🛛			Automated TOFD T			
Application:		Laminar 🛛			S	Shear Wave		Volumetric 🗌		Thickness 🛛			
Instrumentation:			Mfg:	G.E. T	Гуре: Krau	utkramer Equip #: DMS2 Serial #: 0			#: 020XP6				
Calibration:		Date: 01/12/2012 Reference Flaw Size: Backwall								: Backwall			
		(a) :	Type:			Block#:	- <#: Τ <u>ν</u>		ype: Block#:				
Calibration Block (s):			Type: .5" Stepwedge Bloo			Block#: 10	k#: 10-2192		Type:		Block#:		
	Coupla	ınt:	Brand: Sono Tech		ech T	Type: Echogel		Cable:	Type: C	oaxial	Length: 3	6"	
			PROBE			Se		tings - dB		Range - 🗌 IN. 🗌			
Manufacturer	Туре	Se	erial #	Angle	Frequency	Size	Ref Level	Scan Level	Transfer Value	Screen Size	Skip Value	Beam Travel	
G.E.	Dual	02	200LL	0	7.5Mhz	0	6db						
		-											
		┼				<u> </u>	<u> </u>						
		-				+							
Scope and Inc	enection	Pasi	ulte										
Carry out UT examination of Line Heater A0438939. Check for corrosion of the End plates, 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. All readings were found to be at or above nominal on the End plates, shell 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 inspection at the required inspection frequency.  Final Comment: Line Heater is fit for service.													
Inspection Limitation(s): None													
Time and Bil		orm		1						<u> </u>			
Vehicle #:	001	+-		ns:	Hrs	<u>`</u>	Tech. (Nam	-	ir Verge		SNT-TC-1A	-	
Time In:	00:00	-	Time O		0:00		Tech. (sig				CGSB Level		
Time In:	00:00		Time O		0:00		Client (Nam				CGSB #	: 5586	
Personnel:				ir Verge	<u></u>		Client (Sig	n):					
Additional Billing Information: -													



## CORROSION INSPECTION SERVICES

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## **UT Readings for Line Heater A0438939**

	<u>Minimum</u>	<u>Maximum</u>	<u>Average</u>
LOC 5	0.442	0.453	0.448
LOC 10	0.305	0.333	0.316
LOC 15	0.436	0.449	0.443
LOC 20	0.339	0.349	0.343
LOC 25	0.167	0.191	0.173
LOC 30	0.267	0.268	0.268
LOC 35	0.272	0.277	0.277
LOC 40	0.301	0.302	0.302
LOC 45	0.304	0.307	0.305
LOC 50	0.289	0.289	0.289
LOC 55	0.267	0.275	0.27
LOC 60	0.239	0.258	0.256
LOC 65	0.249	0.252	0.251
LOC 70	0.251	0.252	0.252
LOC 75	0.254	0.255	0.255
LOC 80	0.255	0.256	0.256
LOC 85	0.142	0.174	0.166
LOC 90	0.141	0.162	0.154