

## REPORT:

66036243 - 2016-06-08 - UT - A0451152 BOILER

Bay 5, 240040 Frontier Place SE  
Rocky View, Alberta T1X 0N2



DATE: 10-Jun-16

PAGE: 1 OF 2

## ULTRASONIC EXAMINATION REPORT

CLIENT:	HUSKY	CONTRACTOR:	
LOCATION NAME:	ANSELL GAS PLANT	STREAMLINE JOB#	16-164
LOCATION:	07-27-051-19W5M	CLIENT PO#:	
ITEMS EXAMINED:	A0451152 BOILER 5" INTERNAL COIL		
PROCEDURE:	UT-1	ACCEPTANCE CRITERIA:	ASME I.
		SPECIFICATION:	ASME V ART. 5

## EQUIPMENT

EQUIPMENT TYPE:	DMS / USM GO	Serial #:	12035308	Cal Date:	Jan 3/2016	Cable Length/Type:	6' / Lemo to Microdot	COUPLANT:	UT-X
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CALIBRATION BLOCKS:	1.000" C/S Step SN 12-4684							UT INSPECTION MODE:	
REFERENCE REFLECTOR:	Type:	Size:	Depth:	Signal Respose Height: 80%				<input checked="" type="checkbox"/> ZERO DEGREE <input type="checkbox"/> SHEARWAVE	

PROBE TYPE	ANGLE	WAVE	FREQ.	SIZE	MANUF.	SERIAL #	RANGE	REF. LEVEL (Db)	SCAN LEVEL (Db)
DUAL	0	LONG	5MHz	0.250"	GE	026I82	1.000"	64	70

SURFACE CONDITION: ☒ CLEAN BASE METAL ☐ AS GROUND ☐ WIRE WHEEL BUFFED ☐ AS WELDED ☐ PAINTED ☐ SAND BLAST ☐ Other: Material: C/S

## EXAMINATION DETAILS AND RESULTS

A UT zero degree examination was conducted on Boiler A0451152 5" diameter internal coil as requested by client. UT scans were taken every 5th coil at top, right, bottom and left as looking through manway, with low reading recorded. Coils numbered from south to north (manway on south end). 37 loops in coil.

5.563 O.D. std, nominal 0.258" (stamp found on inlet and outlet 6" x 5" reducing elbows) Coil nominal confirmed on MDR.

Coil #	TOP/2014	TOP/2016	RIGHT 2014	RIGHT 2016	BOTTOM 2014	BOTTOM 2016	LEFT 2014	LEFT 2016	Scans were taken on inside radius of coils. A few random readings were taken on outside radius where accesible. Average thickness on inside radius is 0.260". <u>RESULTS</u> No readings found below nominal. There was some wall loss noted since the 2014 inspection. Yellow indicates wall loss since 2014 inspection.
2	0.296	0.296	0.331	0.310	0.328	0.306	0.317	0.308	
7	0.278	0.278	0.285	0.285	0.292	0.292	0.279	0.279	
12	0.284	0.284	0.284	0.283	0.289	0.289	0.295	0.295	
17	0.285	0.283	0.287	0.283	0.291	0.282	0.299	0.294	
22	0.300	0.296	0.281	0.281	0.281	0.281	0.276	0.276	
27	0.294	0.290	0.289	0.289	0.284	0.284	0.282	0.282	
32	0.288	0.284	0.293	0.289	0.289	0.289	0.286	0.284	
37	0.303	0.298	0.301	0.301	0.300	0.300	0.297	0.297	

TECHNICIAN:	CURTIS GRAHAM - CGSB/SNT-TC-1A UT II, MT II, PT II, RT III #6560				CLIENT:	Greg Guenette	
SIGNATURE:		API 510 #27479	CHARGES REF.		APPROVAL:		
		API 653 #50947	JOB#				
ASSISTANT:	Warren Gill	AB IPV #000711	16-164				

**REPORT:**

66036243 - 2014-06-04 - UT - A0451152 BOILER

Bay 5, 240040 Frontier Place SE  
Rocky View, Alberta T1X 0N2**DATE:** 08-Jun-16**PAGE:** 2 OF 2**ULTRASONIC EXAMINATION REPORT**

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**EXAMINATION DETAILS AND RESULTS**