

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



REPORT: UET-141126-2  
DATE: 26-Nov-14  
PAGE: 1 OF 2

### ULTRASONIC EXAMINATION REPORT

CLIENT:	CNRL	CONTRACTOR:	
LOCATION NAME:	12-09 Brintnell Battery	STREAMLINE JOB#	14-501
LOCATION:	12-09-081-22w4m	CLIENT PO#:	
ITEMS EXAMINED:	PV-610 Treater A0403457		
PROCEDURE:	UT-1	ACCEPTANCE CRITERIA:	ASME VIII DIV. 1
		SPECIFICATION:	ASME V ART. 5

### EQUIPMENT

EQUIPMENT TYPE:	DMS / USM GO	Serial #:	12116329	Cal Date:	30-Dec-13	Cable Length/Type:	6' / Lemo to Microdot	COUPLANT:	UT-X
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"	STRESSTEL	12L02H59	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 vessel shell from internal surface where an inlet horseshoe downcomer was to be welded onto shell to inspect for laminations.

Inspection was done on the area of the shell where the downcomer is to be welded around the shell in a 12" wide band, as marked out by welders.  
- 2 x 12" wide bands around shell (one for each side of horseshoe downcomer).

**Results:**

No laminar indications or other defects were noted at time of examination. Shell within the areas to be welded on is acceptable as per code.  
All wall thickness readings between 0.508" and 0.540"  
(Shell nominal 0.500")

TECHNICIAN:	EDWIN TYMENSEN - CGSB/SNT-TC-1A UT II, MT II, PT II #11424		CLIENT:	Dylan Harrison
SIGNATURE:		API 510 #27479	APPROVAL:	
		API 653 #50947		
ASSISTANT:		AB IPV #000711		

### ULTRASONIC EXAMINATION REPORT

CLIENT:	CNRL	CONTRACTOR:	
LOCATION NAME:	12-09 Brintnell Battery	STREAMLINE JOB#	14-501
LOCATION:	12-09-081-22w4m	CLIENT PO#:	
ITEMS EXAMINED:	PV-610 Treater A0403457		

### EXAMINATION DETAILS AND RESULTS



2 x 12" wide bands  
UT'd for laminations  
and other defects