

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



REPORT: MET-141130
DATE: 30-Nov-14
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MAGNETIC PARTICLE 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:	MT-3	ACCEPTANCE CRITERIA:	ASME VIII DIV. 1	SPECIFICATION:	ASME V ART. 7

EQUIPMENT

YOKE AC DC CONTINUOUS RESIDUAL 120Volt 12Volt Serial #: 0231 Last Cal. Date: 24-Apr-14 Prod Spacing 3" - 8"
 100 W TROUBLE LIGHT* 10 W YOKE LIGHT* HALOGEN LIGHT OTHER: *Light Source Intensity Demonstrated: $\geq 100fc$
 BLACKLIGHT Serial #: 1Z11 Last Performance Check: 12-Feb-13 Minimum Black Light Intensity: $\geq 1000\mu W/cm^2$
 LIGHT METER Serial #: 4484/7968 Last Calibration Date: 13-Aug-12 Excess Particles Removed via Flow or Exhalation

TEST MEDIUM MANUFACTURER: Magnaflux MEDIUM TYPE / SIZE: 7HF (<20 μ) / WCP-2
 DRY COLOR: FLUORESCENT BLACK ON CONTRAST WHITE APPLICATION METHOD: SPRAY POWDER PUFFER

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

EXAMINATION DETAILS AND RESULTS


A Black on contrast white Magnetic Particle Examination was conducted on the following locations during treater alteration (addition of 'horseshoe inlet downcomer):

- on all inlet horseshoe downcomer to shell fillet welds 12 hours after welding was completed

Note: Inspection includes the width of welds and 1" to 2" on either side of welds

RESULTS:

No visible surface indications were noted at time of final examination.
All welds / areas examined were found to be acceptable as per code.

TECHNICIAN:	EDWIN TYMENSEN - CGSB/SNT-TC-1A UT II, MT II, PT II #11424		CLIENT:	Dylan Harrison
SIGNATURE:		API 510 #27479 API 653 #50947	CHARGES REF. JOB#	APPROVAL:
ASSISTANT:	Dave Skeard	AB IPV #000711	14-501	

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EXAMINATION DETAILS AND RESULTS



MPI on final inlet horsehoe downcomer to shell fillet welds 12 hours after welding was completed



MPI on final inlet horsehoe downcomer to shell fillet welds 12 hours after welding was completed



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Firetube overhead desand line support beam cut off but not ground flush to shell



Old inlet deflector box cut off but not ground flush to shell

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Inlet horseshoe downcomer shroud after all components installed