



### Pressure Equipment Static Data

| General Information            |                  |                 |                        |                  |   |               |                           |     |  |
|--------------------------------|------------------|-----------------|------------------------|------------------|---|---------------|---------------------------|-----|--|
| Date:                          | July 11, 2021    |                 |                        | Location:        | Surface:  | B-17-I/94-H-1 |                           |     |  |
| Client/Owner:                  | CNRL             |                 |                        | UWI/DH:          | B-17-I/94-H-1   |               |                           |     |  |
| District/Region:               | Fort St John     |                 |                        | Location Access: | All Year  |               |                           |     |  |
| Area:                          | Ladyfern         |                 |                        | Inspection Type: | <input type="checkbox"/> Inventory <input type="checkbox"/> Internal <input checked="" type="checkbox"/> External <input type="checkbox"/> UT <input type="checkbox"/> MT |               |                           |     |  |
| Facility:                      | Compressor       |                 |                        |                  |   |               |                           |     |  |
| Pressure Equipment Information |                  |                 |                        |                  |   |               |                           |     |  |
| Equip Name:                    | Inlet Separator  |                 |                        |                  | CA (in):  | N/A           | mm:                       |     |  |
| Manufacturer:                  | Propak Systems   |                 |                        |                  | MDMT:   | - 20 F        |                           |     |  |
| Provincial #:                  | N/A              | Unit /Skid #:   | Inlet Separator A Skid |                  | PWHT:   | Yes           |                           |     |  |
| S/N:                           | 00191-101        | Equip #:        | C73651                 |                  | RT:   | RT-1          |                           |     |  |
| CRN:                           | P2191.21         | Year Built:     | 2000                   |                  | Manway:   | Yes           | Size (in):                | 24  |  |
| NB #:                          | N/A              | Orientation:    | Horizontal             |                  |   |               |                           |     |  |
| Zones                          |                  |                 |                        |                  |   |               |                           |     |  |
|                                | MAWP (PSI)       | MAWT (F)        | MAWP (KPA)             | MAWT (C)         | Comment   |               |                           |     |  |
| Shell Side                     | 2000             | 244             |                        |                  |   |               |                           |     |  |
| Tube Side                      |                  |                 |                        |                  |   |               |                           |     |  |
| Components                     |                  |                 |                        |                  |   |               |                           |     |  |
|                                | Dia (OD) in.     | Type            | Material               | Nominal (in)     | Nominal (mm)  | Comment       |                           |     |  |
| Shell                          | 66               | Plate           | SA-516-70N             | 3.500            |   |               |                           |     |  |
| Head                           | 66               | Ellipsoidal     | SA-516-70N             | 3.250            |   |               |                           |     |  |
| Pressure Safety Valve(s)       |                  |                 |                        |                  |   |               |                           |     |  |
| Zone:                          | Shell Side       |                 |                        |                  |   |               |                           |     |  |
| Equip #                        | N/A              |                 |                        |                  |   |               |                           |     |  |
| Location                       | Piping - Flanged |                 |                        |                  |   |               |                           |     |  |
| Set Press (PSI)                | 2000             |                 |                        |                  |   |               |                           |     |  |
| Capacity                       | 144294           | SCFM            |                        |                  |   |               |                           |     |  |
| Set Press (KPA)                |                  |                 |                        |                  |   |               |                           |     |  |
| Manufacturer                   | Mercer           |                 |                        |                  |   |               |                           |     |  |
| S/N                            | 26444            |                 |                        |                  |   |               |                           |     |  |
| Model                          | 95-73.1M1307NS   |                 |                        |                  |   |               |                           |     |  |
| CRN                            | 0G2606.5C        |                 |                        |                  |   |               |                           |     |  |
| Inlet Size (in)                | 4                | Locked<br>Open? |                        |                  |   |               |                           |     |  |
| Outlet Size (in)               | 6                |                 |                        |                  |   |               |                           |     |  |
| Inlet I/V                      | Yes              | Yes             |                        |                  |   |               |                           |     |  |
| Outlet I/V                     | Yes              | Yes             |                        |                  |   |               |                           |     |  |
| Service Co.                    | Unified          |                 |                        |                  |   |               |                           |     |  |
| Serv. Date                     | Jun-2018         |                 |                        |                  |   |               |                           |     |  |
| Service Status and Conditions  |                  |                 |                        |                  |   |               |                           |     |  |
| Status:                        | In Service       |                 |                        | Service:         | Sweet   |               | Primary Contents - Shell: | Gas |  |
|                                |                  |                 |                        | Concentration:   |   |               | Primary Contents - Tube:  |     |  |
| Comments                       |                  |                 |                        |                  |   |               |                           |     |  |
|                                |                  |                 |                        |                  |   |               |                           |     |  |
|                                |                  |                 |                        |                  |   |               |                           |     |  |
|                                |                  |                 |                        |                  |   |               |                           |     |  |



## Pressure Vessel External Inspection

| <b>Date:</b> July 11, 2021   |  | <b>Equip Name:</b> Inlet Separator   |                               |
|--|--|--|-------------------------------|
| <b>Inspector:</b> Curtis Graham                                      |  | <b>Prov #:</b> N/A   |                               |
| <b>Client/Owner:</b> CNRL  |  | <b>S/N:</b> 00191-101  |                               |
| <b>District/Region:</b> Fort St John                                 |  | <b>Unit /Skid #:</b> Inlet Separator A Skid  |                               |
| <b>Area:</b> Ladyfern  |  | <b>Equip #:</b> C73651   |                               |
| <b>Facility:</b> Compressor  |  | <b>Location:</b>   | <b>Surface:</b> B-17-I/94-H-1 |
|  |  |  | <b>UWI/DH:</b> B-17-I/94-H-1  |
| Component  | Condition                                      | Comment  |                               |
| <b>Nameplate</b>   | Concern  | NCR - Admin / Regulatory: No A# found.<br>Good condition. Securely attached and legible.   |                               |
| <b>Grounding</b>   | Acceptable                                     | Vessel is grounded through skid.   |                               |
| <b>Foundation/Supports</b>   | Acceptable                                     | Vessel is well supported on saddles, no concerns noted.  |                               |
| <b>Ladder/Platform</b>   | N/A  |  |                               |
| <b>Insulation/Cladding</b>   | Acceptable                                     | Vessel is 10% insulated with snake wrap. Insulation is in good overall condition.  |                               |
| <b>Shell</b>   | Acceptable                                     | Shell is in good condition, no concerns noted.   |                               |
| <b>Heads</b>   | Acceptable                                     | Heads are in good condition, no concerns noted.  |                               |
| <b>Nozzles/Threadolets</b>   | Acceptable                                     | All nozzles are in good condition. No deflection, short bolting or other concerns noted.   |                               |
| <b>Piping/Valves</b>   | Acceptable                                     | All associated piping is in good condition. All bolting is properly installed and secure. No leaks or other concerns noted.                            |                               |
| <b>Appurtenances &amp; Instrumentation</b>                           | Acceptable                                     | Instrumentation is in good condition, no leaks noted.<br>Temperature gauge is in good condition. Range is suitable and operating within design limits. |                               |
| <b>Sight Glass/Level Gauges</b>                                      | Acceptable                                     | Sight glass is in good condition. Rated for current vessel service with no concerns noted.   |                               |
| <b>Other</b>   | N/A  |  |                               |
| <b>PSV</b>   | Acceptable                                     | PSV is in good condition. Service seal is intact, no piping restrictions or other concerns noted.<br>PSV has CRN and applicable code stamping present. |                               |
| <b>NDE Methods</b>   | Acceptable                                     | UT survey and AUT performed by Avalanche.<br>No concerns at this time.   |                               |
| <b>Inspection Summary</b>  | NCR - Admin / Regulatory: No A# found.         |  |                               |
|  | No other concerns noted at time of inspection. |  |                               |
| Recommendations  |  |  | NCR #                         |
| Review MDR to confirm if vessel has an A# and stamp A# in nameplate. |  |  |                               |
|  |  |  |                               |
|  |  |  |                               |

| <b>Fit for Service:</b>  | Yes | <b>Signature of Inspector:</b> |                |    |     |    |     |     |     |                                       |               |
|--|-----|--------------------------------|----------------|----|-----|----|-----|-----|-----|---------------------------------------|---------------|
| <small>* Fit for Service is only a recommendation based on the results of the current inspection.</small>  |     | <b>Cert #</b>                  | API 510: 51479 |    |     |    |     |     |     |                                       |               |
|  |     |                                | AB/SK: 785     |    |     |    |     |     |     |                                       |               |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr style="background-color: #e1eef6;"> <th colspan="2" style="text-align: center;">Recommended Intervals:</th> </tr> <tr> <td style="width: 10%;">VE</td> <td style="width: 10%;">yrs</td> </tr> <tr> <td>UT</td> <td>yrs</td> </tr> <tr> <td>PSV</td> <td>yrs</td> </tr> </table> |     | Recommended Intervals:         |                | VE | yrs | UT | yrs | PSV | yrs | <b>Technical Manager or Delegate:</b> | Curtis Graham |
|  |     | Recommended Intervals:         |                |    |     |    |     |     |     |                                       |               |
|  |     | VE                             | yrs            |    |     |    |     |     |     |                                       |               |
|  |     | UT                             | yrs            |    |     |    |     |     |     |                                       |               |
| PSV  | yrs |                                |                |    |     |    |     |     |     |                                       |               |
|  |     |                                |                |    |     |    |     |     |     |                                       |               |
|  |     | <b>Cert #</b>                  | API 510: 51479 |    |     |    |     |     |     |                                       |               |
|  |     |                                | AB/SK: 785     |    |     |    |     |     |     |                                       |               |

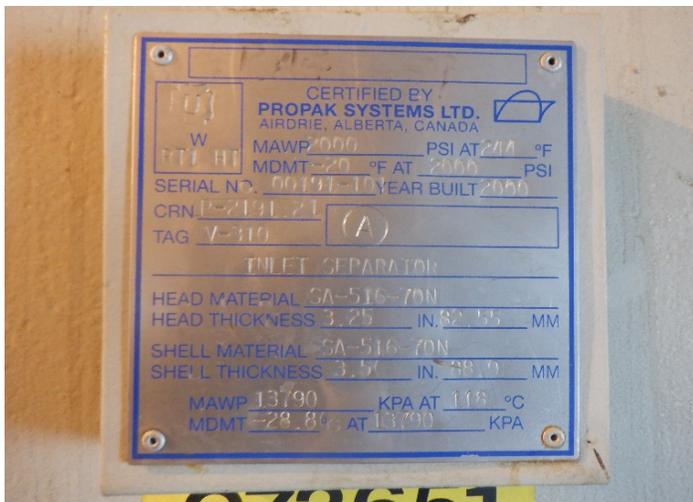
PHOTOS



LSD Sign



Site Overview



Nameplate



C#

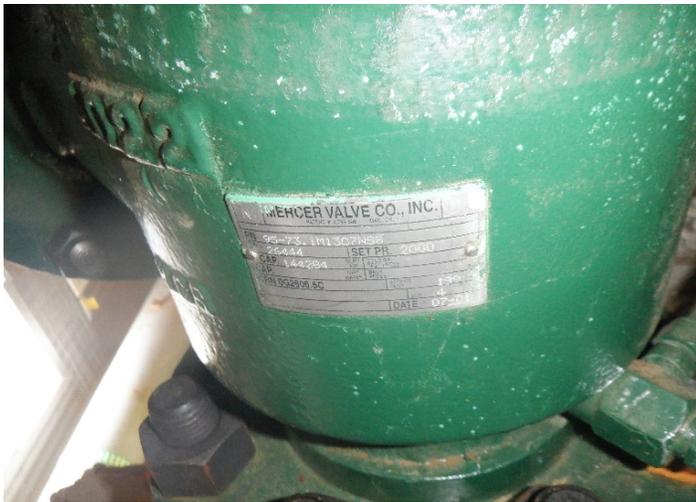


Overview

PHOTOS



Manway



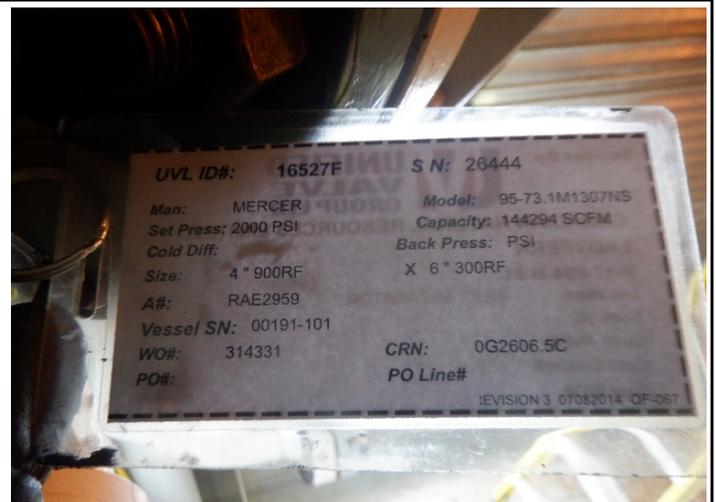
PSV Nameplate



PSV Overview



PSV Service Tag





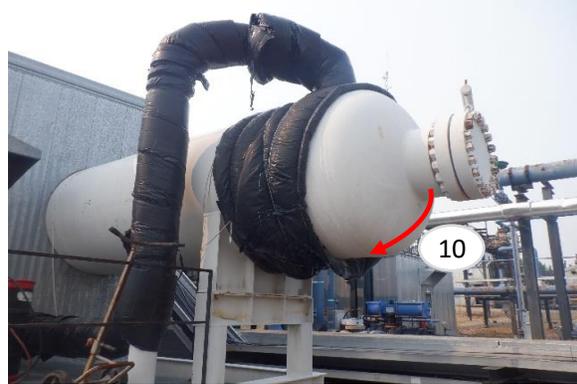
# AUT CORROSION MAPPING EXAMINATION REPORT

| GENERAL INFORMATION  |                               |           |              |                      |                          |               |                    |                |                 |
|--|-------------------------------|-----------|--------------|----------------------|--------------------------|---------------|--------------------|----------------|-----------------|
| DATE:  | July 08, 2021                 |           |              | REPORT #:            | AUT-CG08JUL2021A         |               |                    |                |                 |
| CLIENT/OWNER:  | CNRL                          |           |              | AVALANCHE JOB #:     | 20-448                   |               | CLIENT JOB #:      |                |                 |
| DISTRICT/REGION:   | Fort St John                  |           |              | PROJECT:             | AUT Inspections          |               | CLIENT PO #:       |                |                 |
| AREA:  | Ladyfern                      |           |              | LOCATION:            | SURFACE:                 | b-17-I/94-H-1 |                    |                |                 |
| FACILITY:  | Plant                         |           |              |                      | UWI/DH:                  | b-17-I/94-H-1 |                    |                |                 |
| ITEMS EXAMINED:  | Inlet Separator C73651        |           |              |                      |                          |               |                    |                |                 |
| METHOD(S) / SURFACE CONDITION  |                               |           |              |                      |                          |               |                    |                |                 |
| MATERIAL / THICKNESS:  | CARBON STEEL                  |           |              | PROCEDURE:           | AUT-01                   |               |                    |                |                 |
| SURFACE CONDITION:   | Painted                       |           |              | ACCEPTANCE CRITERIA: | CLIENT EVALUATION        |               |                    |                |                 |
| SCANNING FROM / TEMP:  | OD                            |           | 18           | SPECIFICATION(S):    | AS PER CLIENT SPEC.      |               |                    |                |                 |
| AUT EQUIPMENT DETAILS  |                               |           |              |                      |                          |               |                    |                |                 |
| MANUFACTURER:  | AUT SOLUTIONS                 |           |              | CAL BLOCK(S):        | 0.750" - 1.5" STEP - C/S |               |                    |                |                 |
| MODEL:   | BANDIT                        |           |              | CAL BLOCK SN(S):     | G11196                   |               |                    |                |                 |
| RASTER LENGTH:   | 24"                           |           |              | REFLECTOR:           | BACKWALL                 |               |                    |                |                 |
| SERIAL #:  | 1005                          |           |              | CAL RANGE:           | 0.750" - 1.500"          |               |                    |                |                 |
| CAL DATE:  | 08-Jul-21                     |           |              | SIG RESP (FSH):      | 80%                      |               |                    |                |                 |
| SOFTWARE:  | PROSCAN                       |           |              | COUPLANT:            | Water                    |               |                    |                |                 |
| TRANSDUCERS  |                               |           |              |                      | ENCODER                  |               |                    |                |                 |
| MFG  | TYPE                          | FREQ      | SIZE         | SERIAL #             | MODEL                    | RESOLUTION    | CAL DISTANCE       |                |                 |
| AUT SOLUTIONS  | DUAL                          | 5MHz      | 0.500"       | JBA158               | BSP-A+                   | 5 MHz         | 1.000"             |                |                 |
|  |                               |           |              |                      |                          |               |                    |                |                 |
|  |                               |           |              |                      |                          |               |                    |                |                 |
| MANUAL UT EQUIPMENT  |                               |           |              |                      |                          |               |                    |                |                 |
| EQUIPMENT TYPE:  | DMS GO                        | SERIAL #: | SOPLS2012010 | CAL DATE:            | 04-Jan-21                |               | CABLE LENGTH/TYPE: | 3' / DUAL LEMO |                 |
| REF REFLECTOR:   |                               | COUPLANT: | UT-X         | CAL BLOCKS:          | 1" - 10 STEP - C/S       |               | SIG RESP (FSH):    |                |                 |
| PROBE TYPE   | ANGLE                         | WAVE      | FREQ         | SIZE                 | MFG                      | SERIAL #      | RANGE              | REF LVL        | SCAN LEVEL (DB) |
| DUAL   | 0                             | LONG      | 5MHz         | 0.250"               | STRESSTEL                | 21A0CL0       | 1.000"             | 56             | 62              |
| SINGLE   |                               |           |              |                      |                          |               |                    |                |                 |
| TEST RESULTS   |                               |           |              |                      |                          |               |                    |                |                 |
| <b>SCOPE:</b>  |                               |           |              |                      |                          |               |                    |                |                 |
| <p>A ZERO DEGREE AUT MAP SCAN WAS CONDUCTED ON AREAS OF THE 66" O.D. INLET SEPARATOR SHELL. INSPECTION WAS DONE ON 35% OF THE SHELL AREA AS REQUESTED BY THE CLIENT. ALL ACCESSIBLE SECTIONS WERE INSPECTED FROM THE EXTERNAL SURFACE TO MAP OUT POSSIBLE WALL LOSS AND CORRODED AREAS OF THE SCANNED LOCATIONS. ALL AREAS IDENTIFIED WITH CORROSION ARE TO BE VERIFIED WITH MANUAL ZERO DEGREE UT.</p> <p>5 SCANS WERE UTILIZED TO OBTAIN COVERAGE OF THE SHELL AREAS.</p> <p>A ZERO DEGREE UT INSPECTION OF THE WEST AND EAST HEADS WERE ALSO DONE AS REQUESTED BY THE CLIENT.</p> |                               |           |              |                      |                          |               |                    |                |                 |
| <b>RESULTS:</b>  |                               |           |              |                      |                          |               |                    |                |                 |
| <p>NO INTERNAL CORROSION LOCATED IN THE AUT SCANNED AREAS.</p> <p>NO INTERNAL CORROSION LOCATED IN THE WEST &amp; EAST HEADS. SEE PG-2 FOR HEAD READINGS AND DESCRIPTIONS.</p> <p>SEE PAGE 3 FOR SCAN TEST RESULTS</p> <p>SEE PAGES 5 THROUGH TO 9 FOR C-SCANS, SCAN LOCATIONS AND DESCRIPTIONS.</p>   |                               |           |              |                      |                          |               |                    |                |                 |
| TECHNICIAN:  | Curtis Graham                 |           |              | ASSISTANT:           | Darrin Robak             |               |                    |                |                 |
| SIGNATURE:   |                               |           |              | CLIENT:              |                          |               |                    |                |                 |
| CGSB/SNT CERTS:  | 6560<br>UT II / MT II / PT II |           |              | SIGNATURE:           |                          |               |                    |                |                 |

TEST RESULTS / PHOTOS



EAST HEAD



WEST HEAD

| TML | NOM         | LOW    | AVG    | COMMENT             |
|-----|-------------|--------|--------|---------------------|
| 05  | 3.25" (Min) | 3.457" | 3.515" | NO CONCERNS LOCATED |
| 10  | 3.25" (Min) | 3.465" | 3.512" | NO CONCERNS LOCATED |



**AUT CORROSION MAPPING  
DETAILED  
SCAN RESULTS**

| SCAN # | X START | X STOP | Y START | Y STOP | X-Incr. | Y-Incr | Readings | AVERAGE READING | MINIMUM THICKNESS | NOMINAL | % Wall Loss | Comments / Corrosion Mechanism |
|--------|---------|--------|---------|--------|---------|--------|----------|-----------------|-------------------|---------|-------------|--------------------------------|
| 1      | 0       | 207    | 0       | 24     | 0.5     | 0.25   | 40255    | 3.612           | 3.557             | 3.500   | 0.0%        | No concerns                    |
| 2      | 0       | 207    | 0       | 24     | 0.5     | 0.25   | 40255    | 3.610           | 3.557             | 3.500   | 0.0%        | No concerns                    |
| 3      | 0       | 207    | 0       | 24     | 0.5     | 0.25   | 40255    | 3.619           | 3.576             | 3.500   | 0.0%        | No concerns                    |
| 4      | 0       | 75     | 0       | 24     | 0.5     | 0.25   | 14647    | 3.620           | 3.576             | 3.500   | 0.0%        | No concerns                    |
| 5      | 0       | 48     | 0       | 24     | 0.5     | 0.25   | 9409     | 3.632           | 3.557             | 3.500   | 0.0%        | No concerns                    |

\*NOTE: ALL READINGS ARE IN INCHES.

WALL LOSS COLORING:

- 20%-34%
- 35%-49%
- 50%+

**PHOTOS**



**NAMEPLATE**



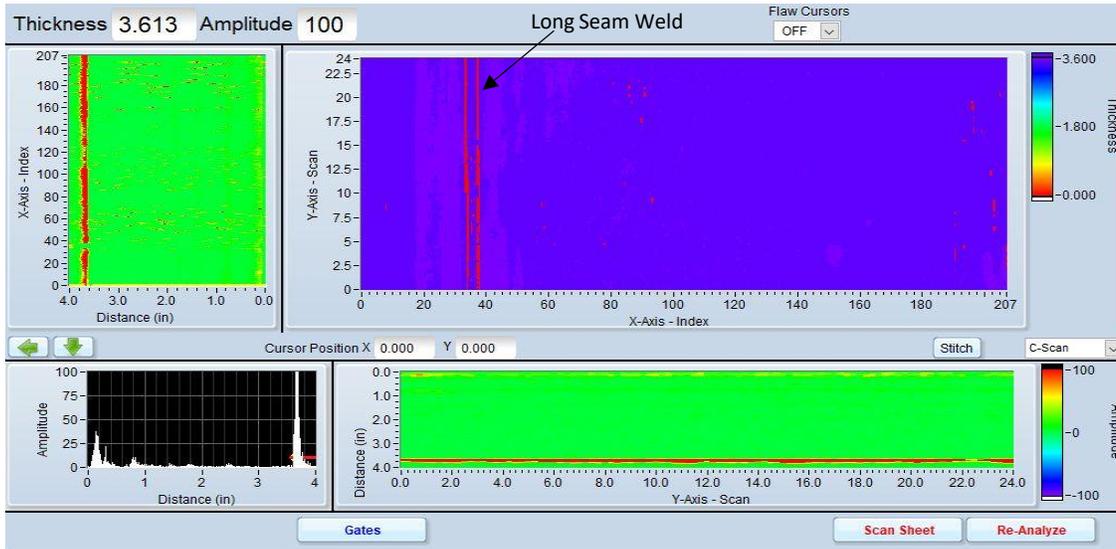
**OVERVIEW**



**OVERVIEW**

SCAN 1 START LOCATION: 52" EAST FROM 2ND CIRC WELD (FROM EAST END), AND 29" DOWN FROM SOUTH LONG SEAM WELD.

NOTE: RED SECTIONS ARE DUE TO PROBE LIFTOFF (NRI'S).

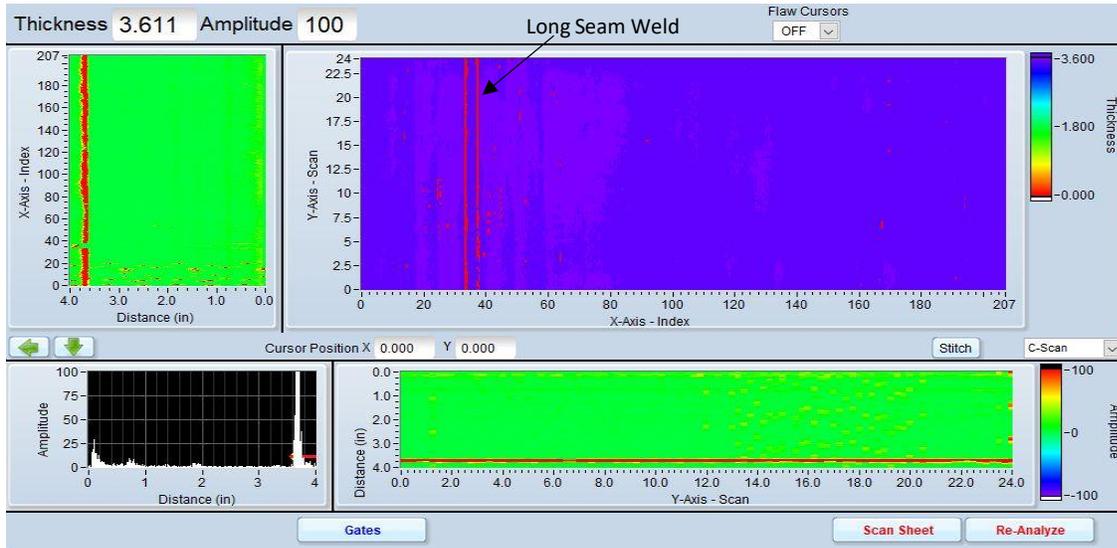


SCAN 1 (C SCAN)



SCAN 1 LOCATION

SCAN 2 START LOCATION: 25" EAST FROM 2ND CIRC WELD (FROM EAST END), AND 28" DOWN FROM SOUTH LONG SEAM WELD.

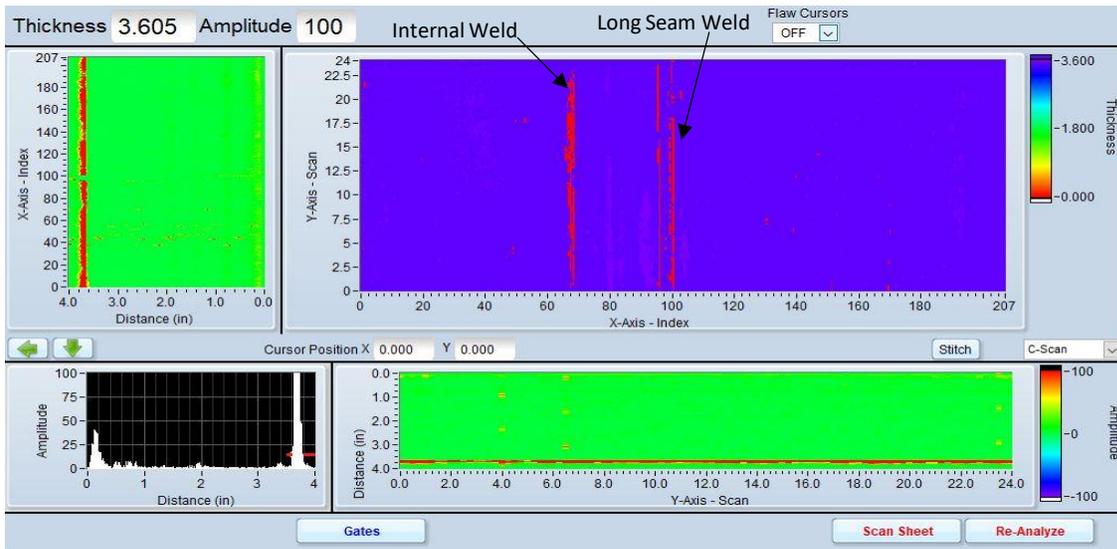


SCAN 2 (C SCAN)



SCAN 2 LOCATION

SCAN 3 START LOCATION: 6" WEST FROM 2ND CIRC WELD (FROM EAST END), AND 29.5" DOWN FROM 1ST SHELL CAN (FROM EAST END) LONG SEAM WELD.

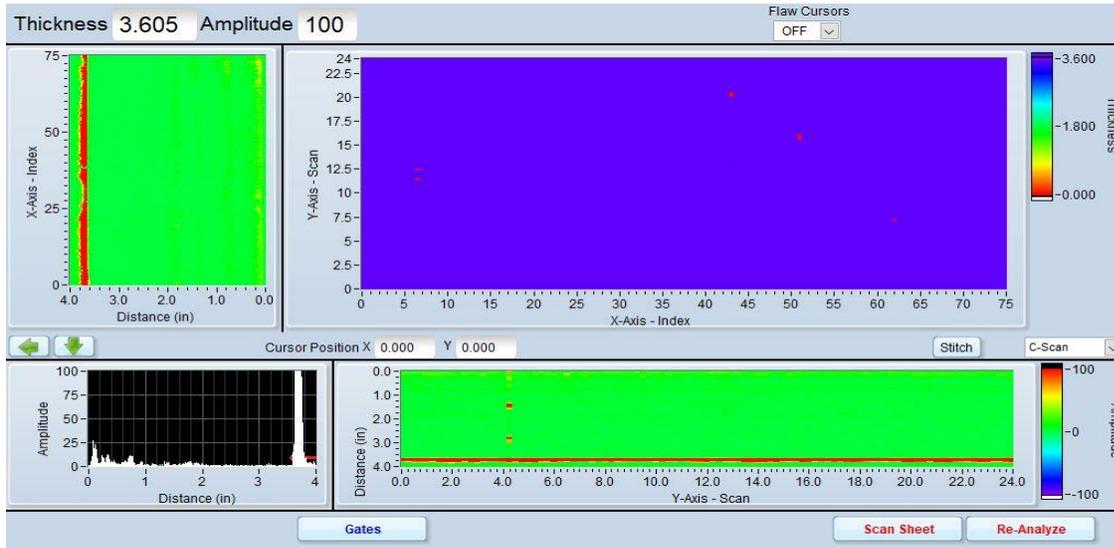


SCAN 3 (C SCAN)



SCAN 3 LOCATION

SCAN 4 START LOCATION: 10" EAST FROM 3RD CIRC WELD (FROM EAST END), AND 42.5" DOWN FROM 3RD SHELL CAN (FROM EAST END) LONG SEAM WELD.

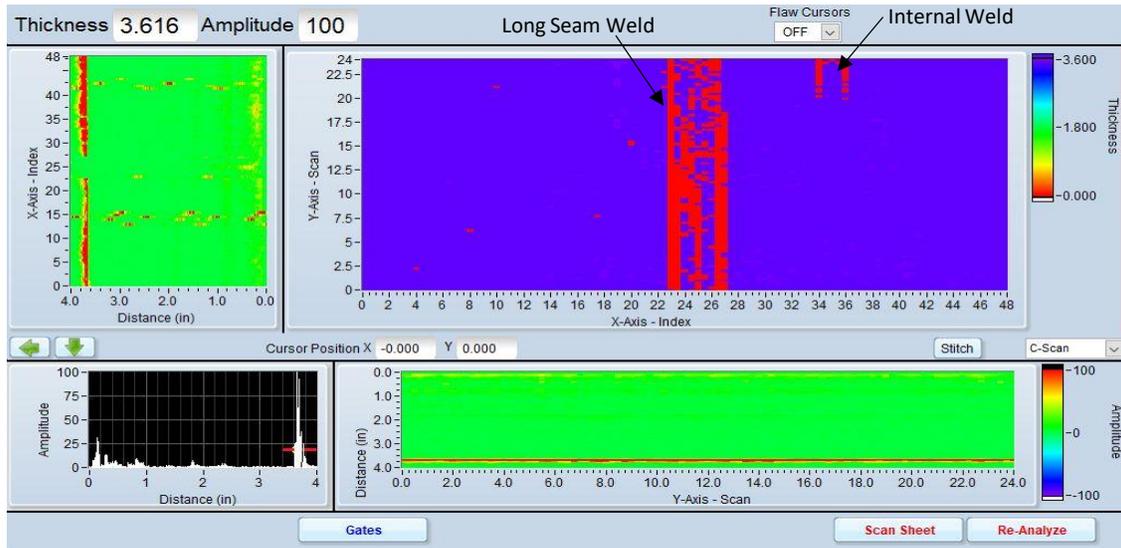


SCAN 4 (C SCAN)



SCAN 4 LOCATION

SCAN 5 START LOCATION: 35" WEST FROM 3RD CIRC WELD (FROM EAST END), AND 20.5" DOWN FROM LONG SEAM WELD.



SCAN 5 (C SCAN)



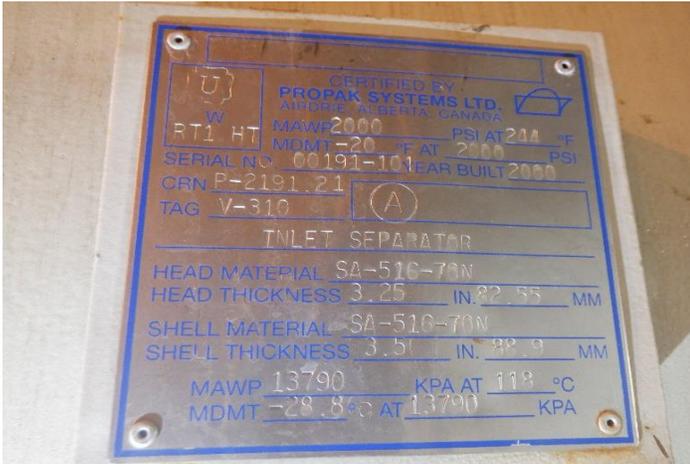
SCAN 5 LOCATION



# NON-DESTRUCTIVE EXAMINATION REPORT

| GENERAL INFORMATION  |   |                  |           |                       |   |                                     |                                       |                                 |                 |
|--|---|------------------|-----------|-----------------------|---|-------------------------------------|---------------------------------------|---------------------------------|-----------------|
| DATE:  | July 08, 2021   |                  |           | REPORT #:             | UT-CG08JUL2021B   |                                     |                                       |                                 |                 |
| CLIENT/OWNER:  | CNRL  |                  |           | AVALANCHE JOB #:      | 20-448  |                                     | CLIENT JOB #:                         |                                 |                 |
| DISTRICT/REGION:   | Fort St John  |                  |           | PROJECT:              | SW/UT Insp  |                                     | CLIENT PO #:                          |                                 |                 |
| AREA:  | Ladyfern  |                  |           | LOCATION:             | SURFACE:  | b-17-I/94-H-1                       |                                       |                                 |                 |
| FACILITY:  | Plant   |                  |           |                       | UWI/DH:   | b-17-I/94-H-1                       |                                       |                                 |                 |
| ITEMS EXAMINED:  | Inlet Separator C73651  |                  |           |                       |   |                                     |                                       |                                 |                 |
| METHOD(S) / SURFACE CONDITION  |   |                  |           |                       |   |                                     |                                       |                                 |                 |
| INSPECTION METHOD(S):  | <input type="checkbox"/> MT <input type="checkbox"/> PT <input checked="" type="checkbox"/> UT <input type="checkbox"/> HT <input type="checkbox"/> VT  |                  |           | ACCEPTANCE CRITERIA:  | CLIENT EVALUATION   |                                     |                                       |                                 |                 |
| PROCEDURE(S):  | UT-01   |                  |           | UT-02                 | SPECIFICATION(S):   | AS PER CLIENT SPEC.                 |                                       |                                 |                 |
| SURFACE CONDITION:   | <input type="checkbox"/> Clean Base Metal <input type="checkbox"/> As Ground <input type="checkbox"/> Wire Wheel Cleaned <input type="checkbox"/> As Welded <input type="checkbox"/> Machined <input type="checkbox"/> Sand Blast |                  |           |                       |   |                                     |                                       |                                 |                 |
| <input checked="" type="checkbox"/> Other:   | Painted   |                  |           | MATERIAL / THICKNESS: | CARBON STEEL  |                                     |                                       |                                 |                 |
| MT/PT  |   |                  |           |                       |   |                                     |                                       |                                 |                 |
|  |   |                  |           |                       | MINIMUM LIGHT INTENSITY: $\geq 100$ fc Visible, $\geq 1000$ $\mu$ W/cm <sup>2</sup> |                                     |                                       |                                 |                 |
| LIGHTING TYPE:   | <input type="checkbox"/> Ambient Lighting <input type="checkbox"/> Flashlight <input type="checkbox"/> 100W Flood Light <input type="checkbox"/> Halogen Light <input type="checkbox"/> Blacklight                                |                  |           |                       |   |                                     |                                       |                                 |                 |
| EQUIPMENT TYPE   | SERIAL #  | CALIBRATION DATE |           |                       | MT CONSUMABLES  |                                     |                                       | APPLICATION:                    |                 |
| BLACKLIGHT   |   |                  |           |                       | MEDIUM:   |                                     | CONTRAST:                             | <input type="checkbox"/> SPRAY  |                 |
| LIGHT METER  |   |                  |           |                       | <input type="checkbox"/> BWMPI  | <input type="checkbox"/> WFMPI      | <input type="checkbox"/> DRY / COLOR: | <input type="checkbox"/> PUFFER |                 |
| YOKE   |   |                  |           |                       | <input type="checkbox"/> AC   | <input type="checkbox"/> CONTINUOUS | <input type="checkbox"/> 120V         | LEG SPACING: 3" - 8"            |                 |
| PRODUCT  | MANUFACTURER / TYPE   | BATCH #          |           |                       | DWELL (MIN)   | APPLICATION METHOD                  |                                       | METHOD TYPE                     |                 |
| PENETRANT:   |   |                  |           |                       |   |                                     |                                       |                                 |                 |
| CLEANER:   |   |                  |           |                       |   |                                     |                                       |                                 |                 |
| DEVELOPER:   |   |                  |           |                       |   |                                     |                                       |                                 |                 |
| UT   |   |                  |           |                       |   |                                     |                                       |                                 |                 |
| EQUIPMENT TYPE:  | Epoch 650   | SERIAL #:        | 160252309 | CAL DATE:             | 04-Jan-21   |                                     | CABLE LENGTH/TYPE:                    | 3' / DUAL LEMO                  |                 |
| <input checked="" type="checkbox"/> 0°   | <input checked="" type="checkbox"/> Shearwave   | COUPLANT:        | UT-X      | CAL BLOCKS:           | 1" - 10 STEP - C/S  |                                     |                                       |                                 |                 |
| REF REFLECTOR:   | TYPE:   | SIZE:            |           | DEPTH:                |   |                                     | SIG RESP (FSH):                       |                                 |                 |
| PROBE TYPE   | ANGLE   | WAVE             | FREQ      | SIZE                  | MFG   | SERIAL #                            | RANGE                                 | REF LVL                         | SCAN LEVEL (DB) |
| DUAL   | 0   | LONG             | 5MHz      | 0.250"                | STRESSTEL   | 21A00CL0                            | 1.000"                                | 54                              | 60              |
| SINGLE   | 45  | SHEAR            | 2.25MHz   | 0.375"                | OLYMPUS   | 1063722                             | 10.000"                               | 48                              | 54              |
| SINGLE   | 60  | SHEAR            | 2.25MHz   | 0.375"                | OLYMPUS   | 1063722                             | 10.000"                               | 46                              | 52              |
| HT   |   |                  |           |                       |   |                                     |                                       |                                 |                 |
| EQUIPMENT TYPE   | SERIAL #  | CALIBRATION DATE |           |                       | UNIT  | MIN HARDNESS VALUE                  |                                       | MAX HARDNESS VALUE              |                 |
| LEEB HL200   |   |                  |           |                       |   |                                     |                                       |                                 |                 |
| TEST RESULTS   |   |                  |           |                       |   |                                     |                                       |                                 |                 |
| <b>SCOPE:</b>  |   |                  |           |                       |   |                                     |                                       |                                 |                 |
| A SWUT WAS CONDUCTED ON ALL ACCESSIBLE MANWAY TO SHELL WELDS OF THE INLET SEPARATOR C73651 AS REQUESTED BY THE CLIENT. |   |                  |           |                       |   |                                     |                                       |                                 |                 |
| <br>   |   |                  |           |                       |   |                                     |                                       |                                 |                 |
| <b>RESULTS:</b>  |   |                  |           |                       |   |                                     |                                       |                                 |                 |
| NO RELEVANT INDICATIONS WERE LOCATED WITH SWUT. WELDS EXAMINED ARE ACCEPTABLE AS PER CODE.                             |   |                  |           |                       |   |                                     |                                       |                                 |                 |
| <br>   |   |                  |           |                       |   |                                     |                                       |                                 |                 |
| TECHNICIAN:  | Curtis Graham   |                  |           |                       | ASSISTANT:  | Darrin Robak                        |                                       |                                 |                 |
| SIGNATURE:   |   |                  |           |                       | CLIENT:   |                                     |                                       |                                 |                 |
| CGSB/SNT CERTS:  | 6560<br>UT II / MT II / PT II   |                  |           |                       | SIGNATURE:  |                                     |                                       |                                 |                 |

**PHOTOS**



**NAMEPLATE**



**CNRL C#**



**VESSEL OVERVIEW**



**MANWAY OVERVIEW**