



# Tank Inspection Report

Date: Nov 14, 2018

CAP: DDDD bbl

Roof Thk:  $3/16'$

Approver Code: 27-02020569

SAP #: 66187212

**INTERNAL INSPECTION:**

| ID  | Item                               | Yes | Good | N/A | See Notes |
|-----|------------------------------------|-----|------|-----|-----------|
|     | GENERAL                            |     |      |     |           |
| T1  | Other (Please Explain)             |     |      |     |           |
| T2  | Corrosion                          | ✓   |      |     | 2         |
| T3  | Erosion                            |     |      | ✓   |           |
| T4  | Distortion                         |     |      | ✓   |           |
| T5  | Blisters                           |     |      | ✓   |           |
| T6  | Deposits                           | ✓   |      |     | 3         |
| T7  | Welds                              | ✓   | ✓    |     |           |
| T8  | Nozzles                            | ✓   | ✓    |     |           |
| T9  | Shell                              | ✓   | ✓    |     |           |
| T10 | Roof                               | ✓   | ✓    |     |           |
| T11 | Floor                              | ✓   | ✓    |     | 4         |
|     | GENERAL                            |     |      |     |           |
| T21 | Other - Firetube                   | ✓   | ✓    |     |           |
| T21 | Other - Anodes                     |     |      | ✓   |           |
| T22 | Annular Ring                       |     |      | ✓   |           |
| T23 | Sump                               |     |      | ✓   |           |
| T24 | Roof Supports                      |     |      | ✓   |           |
| T25 | Thermowells                        | ✓   | ✓    |     |           |
| T26 | Metallic Linings                   |     |      | ✓   |           |
| T27 | Non Metallic Linings               |     |      | ✓   |           |
| T28 | Internal Steam Coil / other Piping |     |      | ✓   |           |
| T29 | Level Gauge                        | ✓   | ✓    |     |           |
| T30 | Other Welded Attachements          | ✓   | ✓    |     |           |
|     | Backwelding Req'd                  |     |      | ✓   |           |

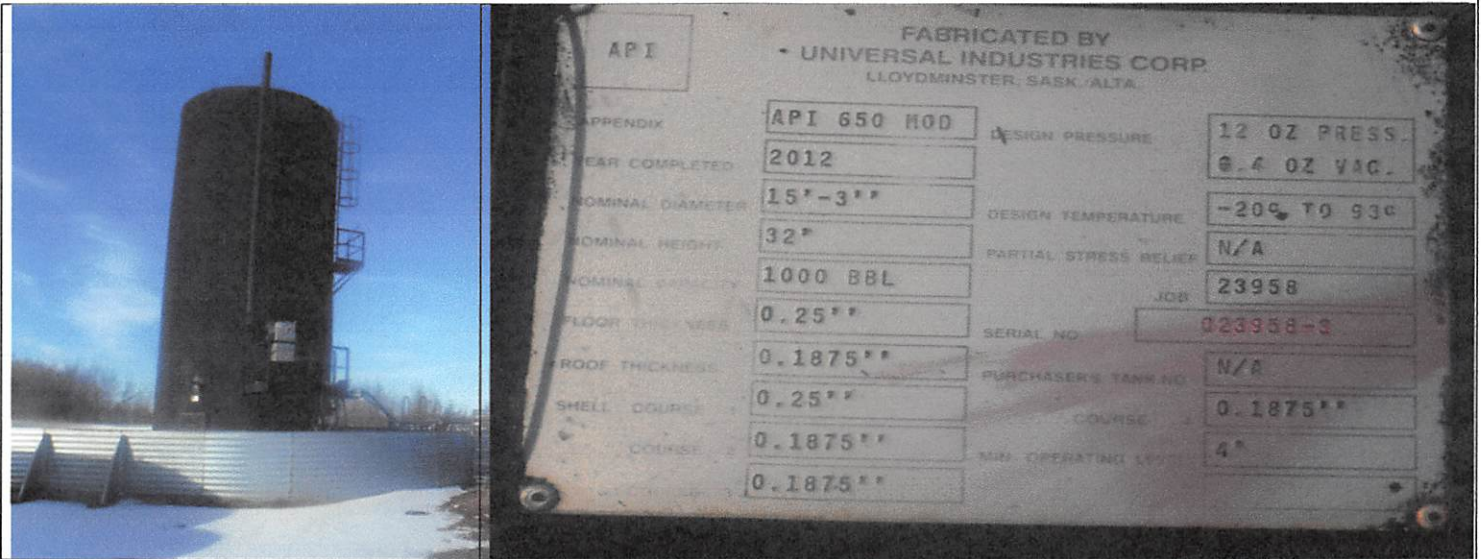
| ID | Notes                                          |
|----|------------------------------------------------|
| 1. | Tank Set on planks                             |
| 2. | Rusty Floor And shell (Scale Buildup)          |
| 3. | oil/shale Deposits on the Shell And Piping.    |
| 4. | Scale Buildup on the floor<br>UT reading Good. |



|                                             |                 |                                                   |                              |
|---------------------------------------------|-----------------|---------------------------------------------------|------------------------------|
| <b>Type of Inspection:</b> VT               | <b>Rev:</b> 3.0 | <b>Client:</b> HUSKY OIL OPERATIONS               | <b>Date:</b> 14-Nov-18       |
| <b>Test Technique:</b> UT thickness( 4.2)   |                 | <b>IRISNDT #:</b> LYN1801826                      | <b>Other:</b> p.o#8401285686 |
| <b>Equipment:</b> DMS2 / spotlight/ Grinder |                 | <b>Location:</b> 6-30-50-1 W4M                    | <b>C.C #:</b> 80071106       |
| <b>Code/Standard:</b> client information    |                 | <b>Item Inspected:</b> 1000bbl tank S/N# 023958-3 |                              |

a UT and visual inspection was carried out as requested on 1000bbl tank, refer to attached pages for results:

**1000bbl tank S/n # 023958-3 :** tank in good overall condition for a 5yr turnaround, no repairs required. heavy scale buildup on the floor at the time of the inspection.



DMS 2 S/N# 31074 CAL DATE : JAN3 2018.

FH2E PROBE S/N# SCA2097

APPROVER: Mike Hein 2Z-02020569

REQUESTED BY : Mike Hein

**Inspection Limitation(s):** heavy scale buildup on the floor, oil/ shale deposits on the shell and piping.

Unit#: 767 Kilometers: 0  
In: Out: Hrs:  
In: Out: Hrs:

Personnel:  
STEPHEN BRYAN / BRAYDEN MCGINNIS

Consumables:  
MIN

Interpretation by:

(Print) **Stephen Bryan** SNT-TC-1A: \_\_\_\_\_  
(Sign) *[Signature]* C.G.S.B.: \_\_\_\_\_ (Level)  
C.G.S.B #: 12459

Client Representative:

(Print) **Karen Hawryluk**  
I am in full agreement with report contents  
(Sign) *[Signature]*

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## DAILY LEM TIME-TICKET

IRISNDT DAILY TICKET#

CA1098-DT-374

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Customer: HUSKY OIL OPERATIONS

IRISNDT DISPATCH #: LYN1801826

Location: Various sites, AB

Date: 14-Nov-18

Technician 1: Stephen bryan Position: Senior Tech Technician 2: Brayden mcginnis Position: Assistant Primary Activity: Other  
Technician 3: \_\_\_\_\_ Position: \_\_\_\_\_ Technician 4: \_\_\_\_\_ Position: \_\_\_\_\_ Report Prefix: CA1098

| Time Start | Time Finish | Activity                | Report #s      | LOC | Total Hours | Total KMs | Description             | PO/Cost Code/AFE |            | Job #/Work Order #/Other |          |
|------------|-------------|-------------------------|----------------|-----|-------------|-----------|-------------------------|------------------|------------|--------------------------|----------|
| 07:00      | 08:00       | Travel                  | CA1098-NDT-461 | 4   | 1           | 80        | Travel                  | P.O.#:           | 8401285686 | C.C#                     | 80025690 |
| 08:00      | 09:30       | Other (See Description) | CA1098-NDT-461 | 4   | 1.5         | 0         | Inspect tank UT/ Visual | P.O.#:           | 8401285686 | C.C#                     | 80025690 |
| 09:30      | 10:30       | Travel                  | CA1098-NDT-462 | 4   | 1           | 60        | Travel                  | P.O.#:           | 8401285686 | C.C#                     | 80044892 |
| 10:30      | 11:30       | Other (See Description) | CA1098-NDT-462 | 4   | 1           | 0         | Inspect tank UT/ Visual | P.O.#:           | 8401285686 | C.C#                     | 80044892 |
| 11:30      | 12:00       | Travel                  | CA1098-NDT-463 | 4   | 0.5         | 60        | Travel                  | P.O.#:           | 8401285686 | C.C#                     | 80048492 |
| 12:00      | 13:00       | Other (See Description) | CA1098-NDT-463 | 4   | 1           | 0         | Inspect tank UT/ Visual | P.O.#:           | 8401285686 | C.C#                     | 80048492 |
| 13:00      | 14:30       | Other (See Description) | CA1098-NDT-464 | 4   | 1.5         | 0         | Inspect tank UT/ Visual | P.O.#:           | 8401285686 | C.C#                     | 80048492 |
| 14:30      | 15:00       | Other (See Description) | CA1098-NDT-465 | 4   | 0.5         | 0         | Inspect tank UT/ Visual | P.O.#:           | 8401285686 | C.C#                     | 80040010 |
| 15:00      | 17:00       | Other (See Description) | CA1098-NDT-466 | 4   | 2           | 0         | Inspect tank UT/ Visual | P.O.#:           | 8401285686 | C.C#                     | 80071106 |
|            |             |                         |                |     |             |           |                         |                  |            |                          |          |
|            |             |                         |                |     |             |           |                         |                  |            |                          |          |
|            |             |                         |                |     |             |           |                         |                  |            |                          |          |

(Totals for this page only) Totals: 10 200 Unit: 767

Work Location (LOC) Legend: 1) Inside Fab. Shop 2) Yard/Lay-down Area 3) Piping/Modular Fab. Area 4) Other

J.H.A. Carried Out & Documented: ☒ Yes ☐ No Safety Concerns: ☐ Yes ☒ No Safety Meeting: ☒ Yes ☐ No Living Out Allowance: ☒ N/A ☐ Full ☐ Bkfst ☐ Lunch ☐ Supper ☐ OT Meal ☐ Hotel

## Equipment, Supplies, Consumables, and Other Costs

Requested by Mike Hein

Approver: Mike Hein 2Z-02020569

## Additional Site, Daily, and other relevant job notes

TECHNICIAN NAME: Stephen Bryan  
(Print)CLIENT NAME: Karen Hawryluk  
(Print)TECHNICIAN SIGNATURE:   
(Sign)

Tech Date: 14-Nov-18

CLIENT SIGNATURE:   
(Sign) Client Date: