



Tank External Inspection Report

| | | | | | |
|--|--|-----------------------------|-------------------|---------------------|-------------|
| Client: | CNRL | District: | Karr | Date: | 15-Apr-2023 |
| Surface LSD: | 08-12-66-05 W6M | Downhole LSD: | 8-7/1-7-66-4 W6M | Skid #: | N/A |
| Description: | 1000 BBL Emulsion Tank | | | | |
| Serial #: | G-97-338-107 | Equipment #: | C83936 | Status: | Operating |
| MFR: | G.L.M. Tanks & Equipment | | | Year Built: | 1998 |
| Height / Length: | 24 ft | Diameter: | 17.25 ft | Volume: | 1000 BBL |
| AST / UST: | AST | Single / Double Wall: | Single | Open / Closed: | Closed |
| External Insulation: | Yes | Internal Coating: | No | # of Courses: | 4 |
| Tank Type: | Welded | Manway Present: | Yes | Manway Size | 3 ft |
| Tank Floor Elevated: | Yes | Tank Placement: | Pilings | Interstitial Space: | N/A |
| Underside Visible: | Yes | | | | |
| FLOOR: | | SHELL: | | DECK: | |
| Material: | SA-36 | Material: | SA-36 | Material: | SA-36 |
| Nominal: | 0.250 in | Nominal: | .250/1.875 in | Nominal: | 0.250 in |
| Comments: | Design Pressure = 6 oz. | | | | |
| External Inspection | | | | | |
| ITEM: | CONDITION: | ITEM: | CONDITION: | | |
| Tank Nameplate: | Good | Bolting: | Good | | |
| Tank Shell: | Good | Manway: | Good | | |
| Tank Floor: | Good | Anodes: | N/A | | |
| Tank Deck: | Good | Heating System: | N/A | | |
| Insulation: | Good | Overflow Venting: | Good | | |
| Tank Coating: | N/A | Theif Hatch: | N/A | | |
| Leakage: | Good | PVRV: | N/A | | |
| Nozzles: | Good | Interstitial Space Monitor: | N/A | | |
| Foundation: | Good | Piping: | Good | | |
| Ladders / Platforms: | Good | Piping Coating: | Good | | |
| Anchors: | Good | Flanges / Bolting per Code: | Good | | |
| Instrumentation: | N/A | Piping Supports: | Good | | |
| High / Low Level Shutdowns: | Good | Piping Insulation: | Good | | |
| Gauges: | Good | Truck-out Installation: | Good | | |
| * Fair and Poor conditions require comment. Additional comments on page 2 as required. | | | | | |
| External Inspection Comments: | Emulsion Tank in good overall condition. Shell is 100% spray foam insulated - slight surface damage - no exposed metal. Piping in good condition - no deflections. Insulation in good condition - no open or torn sections. Tank base is welded/clamped to steel base structure - no corrosion. Tank sits level. Ladder is securely attached to shell - no corrosion. Tank is fit for service. | | | | |
| Fit for Service: | | | | | |
| YES | | | | | |
| Secondary Containment Inspection | | | | | |
| Containment Type: | Metal Ring with Liner | | | | |
| Length: | | Width: | | Height: | 2.5 ft |
| Item: | Condition: | Comments: | | | |
| LINER | Good | No tears | | | |
| BERM | N/A | | | | |
| VEGETATION | N/A | | | | |
| Inspector: | Garett Tatton API 510 # 99450 AB IPVPP # 001342 | | Signature: | | |



Tank Internal Inspection Report

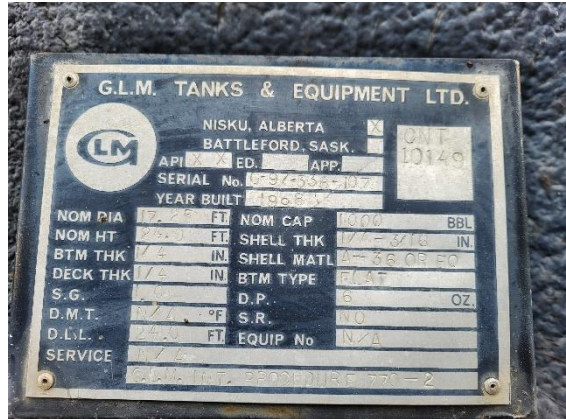
| Serial #: | G-97-338-107 | Equipment #: | C83936 | Inspection Date: | |
|--|---|--|--------|------------------|--|
| Internal Inspection | | | | | |
| Item: | Condition: | Comments: | | | |
| FLOOR | Fair | Scattered areas of general corrosion. | | | |
| FLOOR - Pitting max depth | Good | .010 inch | | | |
| ANNULAR RING | Good | No corrosion or mechanical damage. | | | |
| SHELL | Good | No corrosion or mechanical damage. | | | |
| SHELL - Pitting max depth | Good | No pitting. | | | |
| DECK | Good | No corrosion or mechanical damage. | | | |
| INTERNAL WELDS | Fair | Shallow pitting to floor seam weld cap - pitting to .010 inch. | | | |
| INTERNAL COATING | N/A | Tank internal is not coated. | | | |
| NOZZLES | Good | Unobstructed - no corrosion. | | | |
| NOZZLES - Pitting max depth | Good | No pitting. | | | |
| INTERNAL PIPING | Good | No damage or deflections. | | | |
| MANWAY & COVER | Good | Coated - no damage. | | | |
| INTERNAL SUPPORTS / GUIDES | Good | Heater tube supports still in place - tubes removed. No corrosion. | | | |
| SUMP | N/A | | | | |
| FIRETUBES | N/A | | | | |
| FIRETUBES - Pitting max depth | N/A | | | | |
| HEATING COIL | N/A | | | | |
| FLOATS | Good | Appears to be in good working order. | | | |
| ANODES | N/A | | | | |
| NDE PERFORMED | Good | Ultrasonic thickness survey to floor and shell. | | | |
| Other | N/A | | | | |
| <i>* Fair and Poor conditions require comment. Additional comments on following pages as required.</i> | | | | | |
| Internal Inspection Summary: | <p>Emulsion Tank internal in good overall condition. Tank floor has scattered areas of general corrosion with pitting up to .010 inch. Floor seam weld cap has shallow pitting up to .010 inch. Nozzles were unobstructed with no signs of corrosion. Float is in good condition - wire has no damage. Ultrasonic thickness survey performed on tank floor. Floor nominal is .250 inch with a minimum scan of .234 inch obtained.</p> | | | | |
| Fit for Service: | | | | | |
| YES | | | | | |

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LSD sign



Tank data plate overview



Tank overview



Tank base overview



base to skid connection



Piling overview



Tank Inspection Report

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Insulation condition



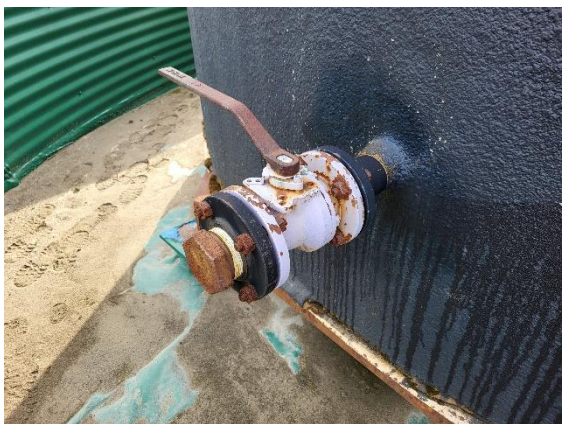
Ladder - level gauge overview



Piping overview



Temperature gauge overview



Valve overview



Heating tube covering



Tank Inspection Report

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Manway overview



Manway entrance condition



Manway internal overview



Tank floor overview



Tank deck overview



Side shell overview



Tank Inspection Report

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Shell to floor weld seam



Tank floor weld seam



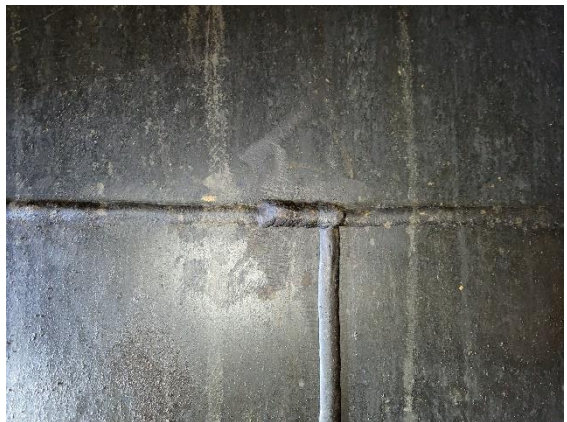
Floor weld cap pitting



Floor general corrosion



Floor weld cap pitting



1st course to 2nd course tee intersect



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Heating tube support - tube permanently removed



Piping overview



Piping overview



Piping overview



Nozzle overview



Float overview