

Date: Nov 20/24

CK Inspections

TC Reg: 25-1009; Exp: 2027-12-01

164075 Twp. Rd. 542

Mundare, Alberta T0B 3H0

780-722-4462

Client: Steady EnergyAddress: 5111 65stCity: Lloydminster AB

Postal Code: _____

Phone: 780-214-2989☐ Lined☒ Insulated☐ Loaded by vacuum☐ Corrosive service☐ Both lined and insulated☐ Dedicated service: _____Tank serial number: CT-12598VIN: 5HTDL312975F22132Tank Spec: DST 407Orig. test date: 04-07

Lining Material: _____

Unit Number: 701PDate of MFR: 04-07Comp/Cert date: 04-07CTMV orig. Test date: 04-07CTMV Cert Date: 04-07Manufacturer: HeilAssembler: Heil

TCRN: _____

MDIN: _____

MAWP: 35 ~~40~~ kPa/PsiDesign Pressure: 52.5 ~~40~~ kPa/PsiMan. Thickness Head: .375Min. Thickness Head: .32Man. Thickness Shell: .250Min. Thickness Shell: .224Exposed surface area: 772 sq ftVolumetric Capacity: 7925 ~~gals~~ ^{gals} ~~liters~~ ^{liters}Design Temp. Range: -20 C to 180 CMax Lading Density: 8.5 ~~lbs~~ ^{kg} ~~/ft³~~ ^{/m³} ~~lbs/gallon~~Shell Material: SA54 H32Head Material: SA54-0Weld Material: 5356Max Load Rate: 600 Gpm at 35 ~~psi~~ ^{psi}Max Payload: 54600 ~~lbs~~ ^{kg}Max Unload Rate: 600 Gpm at 35 ~~psi~~ ^{psi}

Tank Design Pressure: _____

Heating Sys. Pressure: _____ kPa/psi

Retest Pressure: _____

Heating Sys. Temperature: _____ C/F

Inspect jacketing for dents, digs, scrapes, gouges, perforations, stains or other defects or signs of damage to the inner vessel or any other condition that might make it unsafe as per 7.2.1(a)

Pass	Fail	Rep.	NA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Inspect the entire area of head and shell for dents, gouges, bulges, corrosion, abrasion, cracks or signs of leakage or other conditions that might render it unsafe for transport as per 7.2.1(a)

Pass	Fail	Rep.	NA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Inspect the entire length of every weld for cracks, defects or signs of leakage as per 7.2.1(a)

Pass	Fail	Rep.	NA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Ensure devices for tightening manhole covers are operative and covers are leak tight as per 7.2.1(b)

Pass	Fail	Rep.	NA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Check all valves, vents, emergency devices and remote closures for corrosion, distortion, cracks, signs of weakness and loose or missing fasteners as per 7.2.1(c)

Pass	Fail	Rep.	NA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Ensure all required markings are legible; including manway, PRV, couplings, Valves and specification plate as per 7.2.1(e)

Pass	Fail	Rep.	NA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Inspect supporting structures, pads, bolsters, tie-downs and protective devices for dents, distortion, cracks, signs of weakness and loose or missing fasteners as per 7.2.1(f)

Pass	Fail	Rep.	NA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Ensure accompanying or mounted hoses comply with inspection and marking requirements as per 7.2.10.4

Pass	Fail	Rep.	NA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Check to ensure voids are unplugged and show no signs of leakage as per 7.2.1.2

Pass	Fail	Rep.	NA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Corroded or abraded areas are thickness tested as per 7.2.1.3

Pass	Fail	Rep.	NA
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

INTERNAL VISUAL INSPECTION REPORT [1]

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All pressure relief devices are inspected for corrosion or damage as per 7.2.1.4	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>	Rep. <input type="checkbox"/>	NA <input type="checkbox"/>
If lading is corrosive to PRV: re-closing pressure relief valves are replaced or tested as per 7.2.1.4(b)	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>	Rep. <input type="checkbox"/>	NA <input type="checkbox"/>
Gaskets on full opening rear head is inspected and replaced if cut, cracked or split as per 7.2.1.5	Pass <input type="checkbox"/>	Fail <input type="checkbox"/>	Rep. <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Internal self closing valve and off truck emergency shut down system tested as per 7.2.1.6	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>	Rep. <input type="checkbox"/>	NA <input type="checkbox"/>
Ensure that all bolts or nuts on any flanged connection or blank flange are in place and properly tightened as per 7.2.1(d)	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>	Rep. <input type="checkbox"/>	NA <input type="checkbox"/>

PRV: Tested Y ☒ (N)

PRV type	Set to discharge	Opening pressure	Re-seat pressure	Disposition: Reinstalled/Repaired/Replaced

*PRV's should be numbered from front to rear of tank

Leakage Test

Compartment #	Test Start psi	Test Finish psi	Hold time
1	28 psi	28 psi	10 mins hydrostatic
2			
3			
4			
5			

Testing

Venting devices hold pressure as required, if removed, they are bench tested and hold pressure as required

	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>	Rep. <input type="checkbox"/>	NA <input type="checkbox"/>
Manways and closures inspected for leaks and deformation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flanged connections checked for leakage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inspect the entire area of the head, shell and welds for leaks or deformation including voids and adjacent compartments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Test pressure maintained for a minimum of 5 minutes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All leaks are repaired before the tank is marked	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Defects found

installed a new foot valve valve (PRV) up top of tank

Constructed of: ☐ Quenched and Tempered steel (QT) ☐ Non-quenched (NQT)
☐ Stress relieved after Mfr.
☐ Stress relieved after repair: ☐ Local stress relief ☐ Complete stress relief

Tank Disposition

☒ Pass ☒ Repaired/Re-tested/Returned to service
☐ Fail/removed from service ☐ Removed from facility

Services Provided by:
eStandard Solutions



Inspector name: Cliff Knight
Inspector Signature: Cliff Knight
Date signed: Nov 20/24
Inspection expires: Nov 20/25

Tester name: Cliff Knight
Tester Signature: Cliff Knight
Date signed: Nov 20/24
Markings applied: 11 24 VIKPAC 1004