



SE21-11-11W2, P.O. Box 307
 Fillmore, SK S0G 1N0
 Phone: (306) 457-8078, E-mail: vikingweld@sasktel.net
 Facility Registration # 25-1242

Inspection Report in Accordance with CSA B620

Tank Owner: [Redacted] Address: [Redacted] Phone: [Redacted]
 Unit #: 2010
 Manufacturer: RNG Pro-Tech Inc. Tank Spec: NH3 Applicator Tank
 Assembler: Unknown Manufacturer Serial #: 35527A
 Material: Steel Manufacturer Date: 1998
 TCRN or MDIN: E 8048.234 MAWP: 265 psi

Design Pressure (if applicable): N/A

Minimum allowable thickness of Shell: & Head:

Tank: Lined: Insulated:

Special Service: **No**

Comp. Capacity: 1. 2000 USWG 2. N/A 3. N/A
 4. N/A 5. N/A

MC/TC331: QT NQT PWHT

Tests Performed "V" "I"

External Visual Inspection "V" (QC manual reference 12.1)

Item Inspected	QC Man. Reference	Complies	Reject	Retest Complies
Data plate, present and legible	12.1.1.3	X		
Shell & Heads; corrosion, abrasion, dents, overlay patches, leaks, voids, etc.	12.1.1.4	X		
Structural members, outriggers, crossmembers, etc	12.1.1.5	X		
Upper coupler for cracks, corrosion, distortion, and bolt tightness	12.1.1.6	X		
Piping and valves for leakage or corrosion. Valve operating systems and all gaskets.	12.1.1.7	X		
Tank attachments to frame or running gear	12.1.1.8	X		
Gaskets on full opening rear heads	12.1.1.9	N/A		
Hoses for defects, identification and test dates	12.1.1.10		X	X
Ladders, walkways, platforms, etc	12.1.1.11	N/A		
Fill cover, manways, and closure devices	12.1.1.12	X		
Relief valves and vents (replace of test if in service with corrosive lading)	12.1.1.13	X		
Accident damage protection; compliance, damage, distortion, or corrosion	12.1.1.14	X		

Inspector: Karter Frederiksen Signature: [Handwritten Signature] Date: August 9, 2024

Internal Visual Inspection "I"

(QC manual reference 12.2)

Item Inspected	QC Man. Reference	Complies	Reject	Retest Complies
Interior surface, corrosion, distortion, overlay patches, cracking, etc.	12.2.2			
Interior welds for defects, cracking, etc.	12.2.3			
Internal supports, attachments, valves, piping and vents for leakage & damage, etc.	12.2.4			
If tank has lining note: "Lining to be inspected by a facility registered with Transport Canada for this scope."	12.2.5			

Inspector: Ryan Frederiksen Signature: _____ Date: _____

Rejection Criteria for Visual Inspections

Any of the following conditions shall cause the tank to be rejected.

- Less than minimum material thickness under any cut, dig or gouge
- Any dent with a depth greater than 1/2" where it includes a weld
- Any dent with a depth greater than 10% of the length of the dent
- Any weld defect including a crack, pinhole, or incomplete fusion of the weld
- Any structural defect or any source of leakage or Any repairs made using overlay patches
- Defective, unidentified or out of test Hose Assemblies

Description of defects found and methods used to repair:

***Hose due for testing and inspection.**

***Hose inspected and tested in accordance with B620.**

TANK DISPOSITION

Removed From Service Returned to Service

Specification Indication Removed YES NO

Defects or Damage Present YES NO

Tank marking applied (QC Manual Reference Section 13) YES NO



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Hydrostatic Leakage & Pressure Test Report in Accordance with CSA B620

Tank Owner: [Redacted] Address: [Redacted] Phone: [Redacted]
 Unit #: 2010
 Manufacturer: RNG Pro-Tech Inc. Tank Spec: NH3 Applicator Tank
 Assembler: Unknown Manufacturer Serial #: 35527A
 Material: Steel Manufacturer Date: 1998
 TCRN or MDIN: E 8048.234 MAWP: 265 psi
 Design Pressure (if applicable): N/A

Minimum allowable thickness of Shell: & Head:

Tank: Lined: Insulated:

Special Service: No

Comp. Capacity: 1 2000 USWG 2 N/A 3 N/A
 4 N/A 5 N/A

MC/TC331: QT NQT PWHT

Tests Performed "K" "P"

Leakage Test "K" (QC Manual Reference 12.3)
 Test Pressure: 212 psi (QC Manual Reference 12.3.3)
 Test Medium: Water

Hydrostatic Leakage Test Item	QC Man. Ref.	Complies	Reject	Retest Complies
All product piping, valves, & accessories in place. Breathing vents rendered inoperative.	12.3.2	X		
Close all internals & open all discharge valves.	12.3.4	X		
Ensure adjacent compartments & voids are empty & open to atmosphere.	12.3.5	N/A		
Fill compartment with enough test medium to cover valves.	12.3.6	X		
Pressurize tank to correct pressure & hold to 5 min. (must have 0 psi pressure drop).	12.3.7	X		
While under pressure check tank, gaskets, internal valves, manhole covers, & vents for leakage.	12.3.8	X		
Close discharge valves & open internal valves. Adjust pressure & check plumbing & discharge valves for leakage.	12.3.9	X		
Repeat 12.3.9 for each valve in discharge line.	12.3.10	X		
Restore operation of all vents.	12.3.11	X		

Tank Tester: Karter Frederiksen Signature: Date: August 9, 2024

Pressure Test "P" (QC Manual Reference 12.4)

Test Pressure (Tank): 398 psi

Test Pressure (Piping): N/A (80% of the MAWP):

Test Medium: Water

(Refer to Table 7.4 of CSA B620-20 for appropriate test pressure)

Hydrostatic Pressure Test Item	QC Man. Ref.	Complies	Reject	Retest Complies
Prior to pressure test, tank successfully passed External & Internal Visual.	12.4.1	X		
Level & adequately support the tank.	12.4.1.1	X		
Remove self closing relief valves for testing.	12.4.1.2	X		
Remove or render inoperative all other relief devices & close internal valves.	12.4.1.2	X		
Ensure all remaining closures are rated at or above test pressure.	12.4.1.3	X		
Ensure adjacent compartments & voids are empty & open to atmosphere.	12.4.1.4	X		
Verify calibration of all pressure gauges being used.	12.4.1.5	X		
Fill compartment completely with water.	12.4.2.1	X		
Install pressurization line & 2 gauges at top of tank.	12.4.2.2	X		
Increase pressure to test pressure shown in Table 7.3 of clause 7 of B620.	12.4.2.3	X		
Disconnect pressure source & hold pressure for 10 minutes.	12.4.2.4	X		
With tank under pressure inspect exterior for leak, defects or distortion.	12.4.2.5	X		
Relieve pressure in tank.	12.4.2.6	X		
Close discharge valves & open internals. Pressurize tank to 80% of the MAWP. Hold for 10 min & check plumbing & discharge valves for leaks.	12.4.2.7	X		
Repeat 12.4.2.7 for each valve in discharge line until all valves are tested.	12.4.2.8	X		
Relieve pressure and drain tank.	12.4.2.9	X		
Reinstall or return all relief valves to working condition.	12.4.2.10		X	X
Tank Tester: Karter Frederiksen	Signature: <i>Karter Frederiksen</i>		Date: August 9, 2024	

Pressure Relief Devices:	1	2	3	4	5
Opening pressure:	N/A	N/A			
Closing pressure:	N/A	N/A			

Description of defects found and methods used to repair:
***Installed new pressure relief and liquid relief valves after pressure test.**

TANK DISPOSITION Removed from Service Returned to Service

Safety Mark (Specification Indication Removed) YES NO

Defect or Damage present YES NO

Tank marking applied (QC Manual Reference Section 13) YES NO



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Hose Test and Inspection Certification

This certifies that the hoses listed on this form were tested to the standards detailed by CSA B620-20.

Customer: [REDACTED]
Test Date: **August 9, 2024**
Equipment Unit #: **2010**, [REDACTED]

Hose Serial #	Hose Test Pressure	HAWP	Visual Inspection Passed	Passed pressure test done in accordance with B620-20.			Hose marked in accordance with B620.
				Pass	Fail	Retest Pass	
2010	398 psi	265 psi	X	X		X	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	

Remarks: **None**

Tester: **Karter Frederiksen**

Signature: [Signature] Date: **August 9, 2024**