

W11-1

107

BLUE-MAR

Name and address of Inspection and Test Facility: Rogue Pressure Testing 32126 RR 5.5 Sundre AB T0M 1X0 TC-1273		Name Owner/Carrier: Clearwater Oilfield Services Address Rocky Mountain House Alberta Telephone No: 403-844-9323		
Tank Spec TC 407/412	Mfr. Certification Date Month/Year 12/2014	Assembler Certification Date Month/Year 12/2014	Last M5: 12/2019	
TC 331 51, MC 330 QT <input type="checkbox"/> NQT <input type="checkbox"/> PWHT After Mfr <input type="checkbox"/>				
Special Service Corrosive <input type="checkbox"/> LPG <input type="checkbox"/> NH3 <input type="checkbox"/> Gasoline <input type="checkbox"/> Diesel <input type="checkbox"/> Other _____				
Lined <input type="checkbox"/> Insulated and Jacketed <input type="checkbox"/> Lining Type _____				
Owner Unit No 107	Tank Mfr Serial No. 1102-01 VIN FR976493	Tank Mfr Date Month/Year 12/2014	Tank Manufacturer Covax Tank Company	Assembler Covax Tank Company
Tank Design Pressure kPa <input type="checkbox"/> PSI <input type="checkbox"/>		Original Tank Test Pressure kPa <input type="checkbox"/> PSI <input checked="" type="checkbox"/>		MDIN 301070336
Tank MAWP kPa <input type="checkbox"/> PSI <input checked="" type="checkbox"/>		Re-test Pressure kPa <input type="checkbox"/> PSI <input type="checkbox"/>		TCRN
Tank Vol. Cap Liters <input type="checkbox"/> USG <input checked="" type="checkbox"/>				
Comp 1 2940 Comp 2 _____ Comp 3 _____				
Comp 4 _____ Comp 5 _____ Comp 6 _____				
Exposed Surface Area SQ.M <input type="checkbox"/> SQ.FT <input checked="" type="checkbox"/>				
Comp 1 364 Comp 2 _____ Comp 3 _____				
Comp 4 _____ Comp 5 _____ Comp 6 _____				
Shell Manufactured Thickness MM <input type="checkbox"/> INCHES <input checked="" type="checkbox"/>				
Top 0.312 Sides 0.312 Bottom 0.312 Heads Mfd. Thk. 0.312				
Shell Minimum Thickness MM <input type="checkbox"/> INCHES <input checked="" type="checkbox"/>				
Top 0.250 Sides 0.250 Bottom 0.250 Heads Min Thk 0.250				
Shell Mat.Spec/Grade SA36 Heads Mat. Spec/Grade SA516 70 Weld Material EM14K				

Types of inspections and tests performed.

External Inspection ☒ Leakage Test ☒ Internal Inspection ☒ Upper Coupler Area Inspection ☐ Thickness Test ☐
Pressure Test ☒

Legible pictures of the MIP and the ASME Nameplates are attached to this Inspection Test and Repair Report ☐

Exhibit 1. Date November 3, 2021. Rev 0
Inspection and Test Report in accordance with CSA B620 7.2. Page 2 of 6.

Ref	External Inspection. Appendix 1 - 1.0 and CSA B620 7.2.1	Pass	Fail	Corrected	N
1	Metal identification plate, tank markings: Inspect to ensure plate is secured, entries legible - no paint or corrosion. Ensuring that specification markings and all other required markings on the tank are present and legible.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Without removing insulation or jacketing, inspect tank for corroded areas, dents, distortions, defects in welds, and any other condition, including leakage, that indicates weakness in the tank that might render it unsafe for transportation. Corroded or abraded areas shall be thickness tested and documented. Overlay patches are prohibited. Insulated tanks – Outer Jacket. Condition of attachments, dents, digs, scrapes, perforations, loose sheeting, cracks and distortion.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Inspect structural supports, crossmembers, outriggers, pads, tank frame, reinforcement rings, major appurtenances and attachments, connecting structures, and those elements of the upper coupler (fifth wheel) assembly that can be inspected without dismantling that assembly, are not damaged or corroded so as to affect safe operation of the vehicle	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Inspect piping, valves and gaskets for operation, leakage, corrosion. Ensure proper functioning of all valves, vents, pressure and emergency devices, including self-closing stop valves, excess-flow valves, and remote closure devices – ensuring that they are free of corrosion, distortion or any other condition or damage that would prevent their normal operation. Ensure all bottom outlet valves have shear sections or accident damage protection. Ensure that fusible links, and fusible elements are present and operative	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	Inspect all ladders, catwalks, platforms and fall protection devices for damage, defects in welds, ensuring their safe operation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Inspect manway covers, all closure devices, caps, nipples and plugs for leaks, tightness and operation. Check all gaskets for leaks. Inspect all bolts and nuts on any flanged connections or blank flange – ensure all bolts, nuts are in place and properly secured	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	All vacuum and reclosing pressure-relief devices shall be externally inspected for any corrosion or damage that could prevent their safe operation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	For tanks in corrosive service, all vacuum and reclosing pressure-relief devices shall be removed for inspection and shall be bench tested to ensure that they open at the required set-to-discharge pressure for the tank's MAWP and reseal at not less than 90% of that pressure or at the reseal pressure prescribed for the tank specification	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9	Inspect accident damage protection devices – condition of welds, damage, distortion, corrosion abrasion and any other condition that might render the tank unsafe for transportation or cause the tank to be out of compliance.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	TC/MC 331-Inspect the internal self-closing valve in the liquid discharge opening for leakage through the valve. Off-truck emergency shutdown system shall be inspected to ensure that the system will stop the flow of product from the tank or shall stop motive power to the tank transfer pump.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11	Full opening rear heads – the gaskets shall be inspected for cuts cracks or splits and replaced if cuts cracks, or splits exceed 0.5".	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	Inspect hose assemblies mounted on or accompanying the tank to ensure that they do not display any defects. Inspect hose assemblies to ensure that the required markings are legible, and that the markings indicate that the hose assemblies are pressure tested within the prescribed period. Complete Hose Assembly Inspection and Test Report Exhibit 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	Tank marking: Date (month and year), Symbol (V), Facility Registration Number applied after all defects corrected, inspected, and tested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

No Defects Found ☒ Defects Found ☒ Defects Corrected, Inspected and Tested - Pass ☒.

Mitch Kehler
 Name of Tank Inspector


 Signature of Tank Inspector

10/10/2025
 Date Inspection Completed

Exhibit 1. Date November 3, 2021. Rev 0
Inspection, and Test Report in accordance with CSA B620 7.2. Page 3 of 6.

Ref	Leakage Test Appendix 1 - 2.0 and CSA B620 7.2.5	Pass	Fail	Corrected	NA
14	Product piping and all associated valves and accessories shall be in place and operative. Each valve and closure shall be tested in sequence. With internal valve closed and external valve open inspect for signs of leakage, and no pressure drop.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15	Product piping and all associated valves and accessories shall be in place and operative. Each valve and closure shall be tested in sequence. With external valve closed and internal valve open inspect for signs of leakage, and no pressure drop.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16	Vacuum test tank valves	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
17	Tank marking: Date (month and year), Symbol (K), Facility Registration Number applied after all defects corrected, inspected and tested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Tank Comp	Design/MAWP	Test Pressure	Pass	Fail	Corrected
1	25 PSI	20 PSI	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Length of Time Leakage Test Held 5 min. Test Medium: Air ☐ Water ☐ Other ☒

No Defects Found ☐ Defects Found ☒ Defects Corrected, Inspected and Tested - Pass ☒.

Mitch Kehler

Name of Tank Tester

Signature of Tank Tester

10/10/2025

Date Leakage Test Completed

Ref	Internal Inspection Appendix 1 - 3.0 and CSA B620 7.2.2	Pass	Fail	Corrected	NA
18	When the tank is not equipped with a manway or inspection opening, or the tank precludes an internal inspection due to lining, the tank shall be pressure tested.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
19	Inspect entire interior surface of shell and heads for signs of corrosion, abrasion, pitting, dents or cracks. Overly patches are prohibited. Corroded or abraded areas shall be thickness tested and documented. Inspect non elastomeric linings and coatings in accordance with the lining manufacturers procedures.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20	If the tank is coated an inspection shall conform with the procedures and equipment specified by the coating manufacturer or installer.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
21	Inspect all welded connections of tank shell and heads and all structural supports: inspect for corrosion, abrasion, dents, digs, gouges, distortions, defects in welds and other conditions that might render the tank unsafe for transportation. Check areas around baffle openings for sign of distortion or cracks. Corroded or abraded areas shall be thickness tested and documented.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22	Inspect all piping, valves, vents, fittings and gaskets for corrosion, abrasion, and defects in welds, leakage and other conditions that may render the tank unsafe for transportation. Corroded or abraded areas shall be thickness tested and documented.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23	Tank marking: Date (month and year), Symbol (I), Facility Registration Number applied after all defects corrected, inspected and tested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

No Defects Found ☒ Defects Found ☐ Defects Corrected, Inspected and Tested - Pass ☐.

Mitch Kehler

Name of Tank Inspector

Signature of Tank Inspector

10/10/2025

Date Leak Test Completed

Exhibit 1. Date November 3, 2021, Rev 0
Inspection and Test Report in accordance with CSA B620 7.2. Page 4 of 6.

Ref	Upper Coupler Area Inspection Appendix 1 - 6.0 and CSA B620 7.2.4	Pass	Fail	Corrected	NA
24	For tanks in corrosive service, once in each 2-year period and in conjunction with the External Visual Inspection, the upper coupler or turntable assembly, and the areas covered by the upper coupler or turntable assembly shall be inspected for corroded and abraded areas, dents, distortions, defects in welds, and any other condition that might render the tank unsafe for transportation. The upper coupler or turntable assembly must be removed for this inspection. Corroded and abraded areas shall be thickness tested and documented.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25	Once in each 5-year period and in conjunction with the Pressure Test, the upper coupler assembly and areas covered by the upper coupler or turntable assembly shall be inspected for corroded or abraded areas, cracks, dents, distortions, defects in welds, and any other condition that may render the tank unsafe for use in transportation. The upper coupler or turntable assembly shall be removed for this inspection. Corroded and abraded areas shall be thickness tested and documented.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26	Tank marking: Date (month and year), Symbol (UC), Facility Registration Number applied after all defects corrected, inspected, and tested.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

No Defects Found ☐ Defects Found ☐ Defects Corrected, Inspected and Tested - Pass ☐.

Name of Tank Inspector

Signature of Tank Inspector

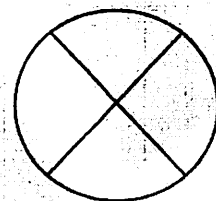
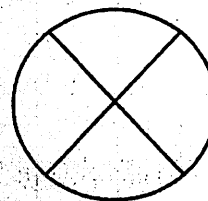
Date Upper Coupler Inspection Completed

Ref	Thickness Test Appendix 1 - 5.0 CSA B620 7.2.6	Pass	Fail	Corrected	NA
27	The shell and head thickness of all unlined tanks used for materials corrosive to the tank shell or heads must be tested at 2-year intervals.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28	Tank marking: Date (month and year), Symbol (T), Facility Registration Number applied after all defects corrected, inspected, and tested.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	12:00	3:00	6:00	9:00	HEAD
1					1
2					2
3					3
4					4
5					5
6					6
7					7
8					8
9					9
10					10
11					11
					HEAD
	12:00	3:00	6:00	9:00	

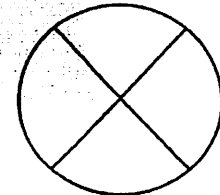
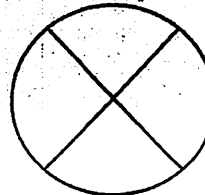
Front Head

Rear Head



Sump

Manhole



No Defects Found ☐ Defects Found ☐ Defects Corrected, Inspected and Tested - Pass ☐.

Name of Tank Tester

Signature of Tank Tester

Date Thickness Test Completed

Ref	Pressure Test Appendix 1 - 4.0 and CSA B620 7.2.7	Pass	Fail	Corrected	NA
29	Prior to performing the Pressure Test, the External Visual Inspection and Internal Visual Inspection shall be completed satisfactorily. All closures except PRD and vents set to operate at or below test pressure shall be rendered inoperative.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30	Heating System Hydrostatic Pressure Test. Completed prior to tank pressure test. Tank shall be empty and at atmospheric pressure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
31	In conjunction with the Pressure Test all self-closing pressure relief devices shall be removed and tested or replaced.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32	Tank Pressure Test When isolated from the pressure supply, the test pressure shall be retained for minimum 10 minutes, and a visual inspection of all external surfaces reveals no leaks, deformation and bulging.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
33	Piping Pressure Test – test at 80% of tank MAWP When isolated from the pressure supply, the test pressure shall be retained for minimum 10 minutes, and a visual inspection of all external surfaces reveals no leaks.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
34	Tank marking: Date (month and year), Symbol (P), and Facility Registration Number applied after all defects corrected, inspected and tested.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

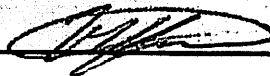
Tank Comp	Design/MAWP	Test Pressure	Pass	Fail	Corrected
1	40 PSI	40 PSI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Length of Time Pressure Test Held 10 minutes. Tank Pressure Test Method: Hydrostatic ☒

Additional Tank Markings applied after all defects corrected inspected and tested:
NOT (Not Quenched and Tempered) ☐ QT (Quenched and Tempered) ☐ WF ☐

No Defects Found ☒ Defects Found ☐ Defects Corrected, Inspected and Tested - Pass ☐

Mitch Keher



10/10/2025

Name of Tank Tester

Signature of Tank Tester

Date Pressure Test Completed

Describe all defects; nature, severity, location, method of repair and corrective action taken.

Ref Item #	Deficiencies
V4	ESD Seized - Replaced - Retested - Passed
K14	Middle valve leaks - Cleaned out - Retested - Passed
K14	P.S. valve leaks at stem - Adjusted packing nut - Retested - Passed
K15	Float gauge leaks - Greased - Adjusted packing nut - Retested - Passed
	PSV recertified by Rocky Mountain Valves
	No hoses on tank

Tank Disposition Statement: Tank Returned to Service ☒ Tank Removed from Service ☐

Next inspection due: 04/2026 V

Certificate of inspection

We certify that the statements in this report are correct and that said unit has been inspected and retested in accordance with Alberta Regulations, B620-20, and DOT Regulations
(as Required)