R04-4
JUN

1791 30th St. S.W.
Medicine Hat, AB T1B 3N5
Phone: (403) 527-7272
Fax: (403) 529-6526
Facility Registration No. 25-0709

Inspection Report in Accordance with CSA B620-20

TEST DATE: May 4, 2026

TANK OWNER: **Rafter 9 Oilfield Service Ltd**

ADDRESS: **PO Box 550 Stn Main Brooks Alberta T1R 1B5**

TELEPHONE: 403 501-1660	SERIAL NO.: CF41524
UNIT NO.: T11	MVID/TCRN:
MANUFACTURER: Lazer Inox	ASSEMBLER: Lazer Inox
TC SPEC.: 407 MATERIAL: SA240-316	CERTIFICATION DATE: 08/2014
MINIMUM THICKNESS SHELL: 3.28 mm	MINUMUM THICKNESS HEAD: 4.03 mm
MAWP: 25 psi DESIGN PRESSURE:	

LINING: YES ☐ NO ☑ INSULATED: YES ☐ NO ☑

SPECIAL SERVICE CONDITIONS:

COMP. CAPACITY: 1 22,000 L 2 3
4 5

INSPECTION PERFORMED V ☑ I ☐ P ☐ K ☑ T ☐ UC ☐ L ☐

PRESSURE RELIEF DEVICES: SET TO DISCHARGE PRESSURE:

#1) TYPE: Fort Vale	SERIAL NO: 0558602	OPEN PSI: 30 psi	RESEAT PSI: 30 psi
REINSTALLED ☑	REPAIRED ☐	REPLACED ☐	
#2) TYPE: Fort Vale	SERIAL NO: 0559883	OPEN PSI: 30 psi	RESEAT PSI: 30 psi
REINSTALLED ☑	REPAIRED ☐	REPLACED ☐	
#3) TYPE:	SERIAL NO:	OPEN PSI:	RESEAT PSI:
REINSTALLED ☐	REPAIRED ☐	REPLACED ☐	
#4) TYPE:	SERIAL NO:	OPEN PSI:	RESEAT PSI:
REINSTALLED ☐	REPAIRED ☐	REPLACED ☐	
#5) TYPE:	SERIAL NO:	OPEN PSI:	RESEAT PSI:
REINSTALLED ☐	REPAIRED ☐	REPLACED ☐	

TC 331, MC 331, MC 330, TC 51, CTC 51, DOT 51 TANKS:

CONSTRUCTED OF QUENCHED AND TEMPERED STEEL: QT YES ☐ NO ☑

CONSTUCTED OF OTHER THAN QUENCHED AND TEMPERED STEEL: NQT YES ☐ NO ☑

TANK STRESS RELIEVED AFTER MANUFACTURE: YES ☐ NO ☑

TANK STRESS RELIEVED AFTER REPAIR: YES ☐ NO ☑

TANK STRESS RELIEF AFTER REPAIR: COMPLETE: ☐ LOCAL: ☐ N/A

RECORD ALL INFORMATION FROM DATA PLATE AND TAKE PHOTOS OF DATA PLATE AND UNIT FOR FILE:

EXTERNAL VISUAL INSPECTION "V"

Item Inspected	QC Man.Ref.	Complies	Reject	Retest Complies
Data plate, present and legible	12.2.3	X		
Shell & heads; corrosion, dents, overlay patches, leaks, voids, etc.	12.2.4	X		
Structural members, outriggers crossmembers, etc.	12.2.5	X		
Upper coupler for cracks, corrosion, distortion, and bolt tightness	12.2.6	N/A		
Piping and valves for leakage, damage, and corrosion	12.2.7	X		
Valve operating systems, remote closures, and thermal devices	12.2.7	X		
Hoses for defects, identification and test dates	12.2.8		X	X
Gaskets on full opening rear heads for damage or cuts	12.2.9	N/A		
Tank attachments to frame or running gear	12.2.10	X		
Ladders, walkways, platforms, etc.	12.2.11	X		
Fill covers, manways, and closure devices	12.2.12	X		
Relief valves and vents (replace or test if in corrosive lading Service)	12.2.13	X		
Accident damage protection; compliance, damage, distortion, corrosion	12.2.14	X		
Off truck emergency shut down system	12.2.15	X		
Inspector: Dan Laekeman	Signature:	Date: May 4, 2026		

INTERNAL VISUAL INSPECTION "I"

Item Inspected	QC Man Ref.	Complies	Reject	Retest Complies
Interior surface for corrosion, distortion, overlay patches, cracking, etc.	12.3.2			
If required by the tank specification perform Wet Fluorescent Magnetic Particle Inspection and file report in accordance with Dynamic Industrial Solutions Proceedure Number QP-16	12.3.3			
Interior welds for defects, cracking, etc.	12.3.4			
Internal supports and attachments	12.3.5			
Internal valves, piping and vents for leakage, damage, etc.	12.3.5			
Inspector:	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 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

HYDROSTATIC LEAKAGE TEST "K" (QC Manual Reference 12.4)

Test Pressure: 20 psi (80% of the MAWP Min.) Test Medium: Water

Pressure Gauge Serial No.: **21821460039** Calibration Date: Dec. 5, 2025

Hydrostatic Leakage Test Item	QC Man.Ref.	Complies	Reject	Retest Complies
All product piping, valves, and accessories in place. Breathing vents rendered inoperative.	12.4.2	X		
Close al internals and open all discharge valves.	12.4.5	X		
Ensure all adjacent compartments and voids are empty and open to atmosphere.	12.4.6	X		
Fill compartment with enough test medium to cover valves.	12.4.7	X		
Pressurize tank to correct pressure and hold for 5 min. (Must have 0 psi pressure drop).	12.4.8	X		
While under pressure check tank, gaskets, internal valves, manhole covers, and vents for leakage.	12.4.9	X		
Close discharge valves and open internal valves. Adjust pressure and check plumbing and discharge valves for leakage.	12.4.10	X		
Restore operation of all vents.	12.4.12	X		
Tester: Dan Laekeman	Signature:	Date: May 4, 2026		

HYDROSTATIC PRESSURE TEST "P" (QC Manual Reference 12.5)

Test Pressure (Tank):

(Refer to Table 7.4 of CSA B620-20 posted in fitting cabinet for appropriate test pressure)

Test Pressure (Piping): (80% of the MAWP) Test Medium:

Pressure Gauge Serial No.: Calibration Date:

Hydrostatic Pressure Test Item	QC Man Ref.	Complies	Reject	Retest Complies
Level and adequately support the tank.	12.5.1.3			
Remove self closing relief valves for testing.	12.5.1.4			
Remove or render inoperative all other relief devices and close internal valves.	12.5.1.5			
Ensure all remaining closures are rated at or above test pressure.	12.5.1.6			
Ensure adjacent compartments and voids are empty and open to atmosphere.	12.5.1.7			
Fill compartment completely with water.	12.5.2.1			
Install pressurization line and slowly increase pressure to test pressure.	12.5.2.2 & 3			
Disconnect pressure source and hold pressure for 10 minutes.	12.5.2.4			
With tank under pressure inspect exterior for leaks, defects, or distortion.	12.5.2.5			
Relieve pressure in tank.	12.5.2.6			
Close discharge valves and open internals. Pressurize tank to 80% of the MAWP. Hold for 10 minutes and check plumbing and discharge valves for leaks.	12.5.2.7			
Relieve pressure and drain tank.	12.5.2.9			
Reinstall or return all relief valves to working condition.	12.5.2.10			
Tester:	Signature:	Date:		

PNEUMATIC LEAKAGE TEST "K" (QC Manual Reference 12.4)

Test Pressure: (80% of the MAWP Min.) Test Medium:

Pressure Gauge Serial No.: Calibration Date:

Pneumatic Leakage Test Item	QC Man.Ref.	Complies	Reject	Retest Complies
All product piping, valves, and accessories in place. Breathing vents rendered inoperative.	12.4.2			
Close all internals and open all discharge valves.	12.4.5			
Ensure all adjacent compartments and voids are empty and open to atmosphere.	12.4.6			
Fill compartment with enough test medium to cover valves.	12.4.7			
Pressurize tank to correct pressure and hold for 5 min. (Must have 0 psi pressure drop).	12.4.8			
While under pressure check tank, gaskets, internal valves, manhole covers, and vents for leakage.	12.4.9			
Close discharge valves and open internal valves. Adjust pressure and check plumbing and discharge valves for leakage.	12.4.10			
Relelve pressure in tank and restore operation of all vents.	12.4.12			
Tester:	Signature:	Date:		

NOTE: A pneumatic pressure test, with the concurrence of the tank owner shall only be performed when there is no suspicion of weakness in the tank and residual water in the tank would adversely react with the lading or the tank, or any lading retention component, or result in the formation of ice causing damage to or adversely affecting the functioning of the tank.

PNEUMATIC PRESSURE TEST "P" (QC Manual Reference 12.5)

Test Pressure (Tank):

(Refer to Table 7.4 of CSA B620-20 posted in fitting cabinet for appropriate test pressure)

Test Pressure (Piping): (80% of the MAWP) Test Medium:

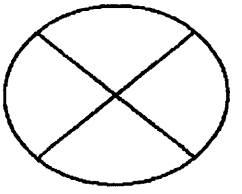
Pressure Gauge Serial No.: Calibration Date:

Pneumatic Pressure Test Item	QC Man Ref.	Complies	Reject	Retest Complies
Level and adequately support the tank.	12.5.1.3			
Remove self closing relief valves for testing.	12.5.1.4			
Remove or render inoperative all other relief devices and close internal valves.	12.5.1.5			
Ensure all remaining closures are rated at or above test pressure.	12.5.1.6			
Ensure adjacent compartments and voids are empty and open to atmosphere.	12.5.1.7			
Advise all personnel that a pneumatic test is being performed and that they must stay clear of the tank being tested.	12.5.3.2			
Apply pressurization line and slowly increase pressure in tank. Pressure to one half the test pressure then increase by 1/10 of test pressure until pressure is reached.	12.5.3.3-12.5.3.5			
Hold pressure for 10 minutes, then reduce it to the MAWP.	12.5.3.6			
Maintain pressure while using soap and water to coat entire surface of all joints and around all venting and piping.	12.5.3.7			
Relieve pressure in tank, close discharge valves and open internal valves.	12.5.3.8 & 9			
Re pressurize tank to 80 % of the MAWP and hold for 10 min. Soap surface of all joints and connections in the section of plumbing being tested.	12.5.3.10 & 11			
Relieve pressure in tank.	12.5.3.12			
Reinstall or return to working condition all relief devices.	12.5.3.14			
Tester:	Signature:	Date:		

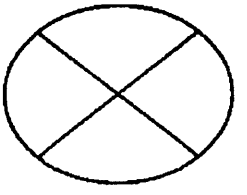
THICKNESS TEST "T" (QC Manual Reference 12.6)

	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	

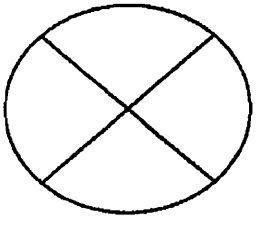
FRONT HEAD



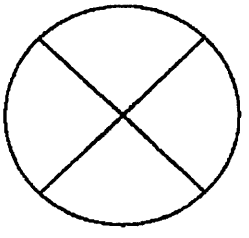
REAR HEAD



MANWAY



SUMP



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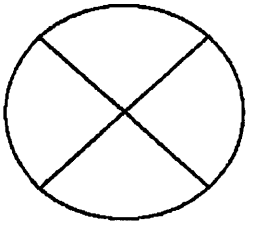

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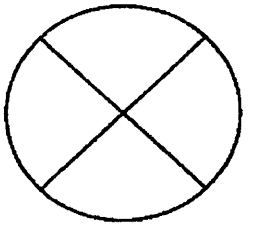

Manufacture's Thickne Head: _____ Shell: _____

Minimum Thickness Head: _____ Shell: _____

Inspector:	Signature:	Date:

HEATING SYSTEM TEST (QC Manual Reference 12.10)

Test Pressure Test Medium:

Pressure Gauge Serial No.: Calibration Date:

Heating Stsyem Test Inspection Item	QC Man.Ref.	Complies	Reject	Retest Complies
Ensure all tank compartments are empty and at atmospheric pressure	12.10.1			
Fill heating system with fluid and pressurize to 1.5 times the heating systems MAWP	12.10.2			
Hold test pressure for 5 min. And Inspect for Intenal and external leakage	12.10.3			
If equipped with flues, Inspect for product leakage into flues	12.10.4			
Inspector:	Signature:	Date:		

UPPER COUPLER INSPECTION UC (QC Manual Reference 12.2.6)

Upper Coupler Inspection Item	QC Man.Ref.	Complies	Reject	Retest Complies
Remove Upper Coupler or Turntable from unit	12.2.6			
Inspect areas covered by the Upper Coupler or Turntable assemlby for corrosion, abrasion, dents, distortion or any other condition that would render the tank unsafe	12.2.6.1			
While removed inspect Upper Coupler assembly for cracks, distortion, plate wear and kingpin wear.	12.2.6.2			
If equipped, inspect Turntable for wear, distortion and cracks	12.2.6.3			
Install Upper Coupler or Turntable assembly	12.2.6.4			
Inspector:	Signature:	Date:		

LINING INSPECTION L (QC Manual Reference 12.7.2)

Upper Coupler Inspection Item	Man.Ref.	Complies	Reject	Complies
Inspect rubber liners using a spark tester and following manufacurers instructions	12.7.1.1			
Inspect all linings other that rubber of FRP corrosion barriers according to the lining manufacturers instructions	12.7.2.1			
If lining damage is discovered inspect the tank wall under the damaged lining and thickness test if required.	12.7.3.1			
Inspector:	Signature:	Date:		

Description of defects found and methods used to repair:

Hose outdated Retest

TANK DISPOSITION	Removed from service	YES ☐	NO ☑
	Safety Mark (Specification Indication) removed	YES ☐	NO ☑
	Returned to Service	YES ☑	NO ☐
Tank marking applied (QC Manual Reference Section 15)		YES ☑	NO ☐

1791 30th St. S.W.
Medicine Hat, AB T1B 3N5
Phone: (403) 527-7272
Fax: (403) 529-6526

Hose Test and Inspection Certificate

This is to certify that the following hose has been inspected and tested to the standards detailed by CSA B620-20.

Customer: Rafter 9 Oilfield Services Ltd.
Test Date: May 4, 2026
Job No: 7721 Equipment
Unit: T11

Hose Serial #	Visual Inspection Pass/Fail	HAWP	Hose Test Pressure	Hose test done in accordance with B620 Pass/Fail	Hose marked in accordance with B620 Yes/No
05 26 T11	Pass	250 psi	250 psi	Pass	Yes

Comments:

Tester: Dan Laekeman Signature: Date: May 4, 2026

Inspector: **Dan Laekeman** Signature: Date: May 4, 2026