

E32-10
MAY



6024 52 Ave, Bonnyville AB, T9N 2L8
TC 25-1235

Name Owner/Carrier: B-LINE DIRECTIONAL DRILLING				
Address BOX 1240, ELK POINT AB, T0A 1A0				
Telephone No: 780-210-2225				
Tank Spec 407	Certification Date Month/Year DEC 2014	Tank Mfr Date SEPT 2014	Tank Manufacturer LAZER INOX	Tank Assembler EDM TRAILER
Special Service Crude Oil <input checked="" type="checkbox"/> Corrosive <input type="checkbox"/> Dedicates Service <input type="checkbox"/> Fuel <input type="checkbox"/> Other _____				
Tank Lined <input type="checkbox"/> Insulated and Jacketed <input type="checkbox"/>				
Owner Unit No 260043	Tank Serial CF42274	VIN 1NPTX4EX5FD278182		
Design Temp. Range -29 TO 120C	Max. Density Lading 1.6 KG/L	Max. Product Payload 22000 KG	Heating Sys Pressure N/A	Heating Sys Temp N/A
Tank Design / MAWP kPa <input checked="" type="checkbox"/> PSI <input type="checkbox"/> 172	Original Tank Test Pressure kPa <input checked="" type="checkbox"/> PSI <input type="checkbox"/> 276	MDIN 12213 TCRN		
Tank Vol. Cap Liters <input checked="" type="checkbox"/> USG <input type="checkbox"/>				
Comp 1 22000 Comp 2 _____ Comp 3 _____				
Comp 4 _____ Comp 5 _____ Comp 6 _____				
Exposed Surface Area SQ.M <input checked="" type="checkbox"/> SQ.FT <input type="checkbox"/>				
Comp 1 49.33 Comp 2 _____ Comp 3 _____				
Comp 4 _____ Comp 5 _____ Comp 6 _____				
Shell Manufactured Thickness MM <input checked="" type="checkbox"/> INCHES <input type="checkbox"/>				
Top 3.43 Sides 3.43 Bottom 3.43 Heads Mfd. Thk. 4.76				
Shell Minimum Thickness MM <input checked="" type="checkbox"/> INCHES <input type="checkbox"/>				
Top 3.28 Sides 3.28 Bottom 3.28 Heads Min Thk 4.03				
Shell Mat. Spec/Grade SA240-316 Heads Mat. Spec/Grade SA240-316 Weld Material ER316L				

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



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External Inspection QC Manual Ref 12.1

Items Inspected	Pass	Fail	NA
Metal Id Plate: Check if missing, check for legibility, check all specification marking.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tank shell and heads: Check for cracks, corrosion, abrasion, dents, overlay patches, leaks. Multi compartment tanks – inspect void drains for leaks, Void drains shall be open to atmosphere. Corrosion or abraded areas shall be thickness tested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Structural members, appurtenances, upper fifth assembly, accident damage protection devices; Check for defects, cracks, corrosion, damage that may render the tank unsafe for transportation. Tank securement devices: Check frame chassis connections, bolts saddles, secure. Accident damage protection devices; Check for defective welds, damage, corrosion.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Piping and Valves: Check for leaks damage, corrosion, proper functioning. Remote closure devices and thermal closures present and operable. Check all valves and devices for operation. Check tightness of all bolted connections.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manways, Closures, Flanges: check for tightness, leaks, check flanges for tightness. Check manway for certification markings.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pressure Relief Devices: Check externally for damage, corrosion, operation, correct markings, markings legible. For tanks in corrosive service, replace or test.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Full opening rear heads: Check gaskets for cuts, digs, gouges, not greater than 0.5”	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hose Assemblies: Check for leaks, damage, pressure test current, check markings for legibility	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Accessories - Ladders, Catwalks, Fall Protection: Check for safe operation, damage and operation	<input checked="" type="checkbox"/>		
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"/>

CSA B620 7.2.1.8 Rejection criteria for external inspections

- (a) less than the minimum thickness remaining under a cut, dig, or gouge.
- (b) any dent with a depth of more than 12.7 mm (0.5 in) where it includes a weld.
- (c) any dent with a depth of greater than 10% of the length of the dent.
- (d) any weld defect, including a crack, pinhole, or incomplete fusion of the weld.
- (e) any structural defect.
- (f) any source of leakage; or
- (g) repairs made to liquid-retaining components using overlay patches.

No Defects Found Defects Found. Defects Corrected Inspected and Tested

Max Tkachuk

Apr 14, 2026

Tank Inspector Name

Signature

Date



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Leakage Test – QC Manual Ref: 12.2

Items Tested	Pass	Fail
Pressure gauges: Calibrated, Range and Selection and range complies with CSA B620 Clause 7.1.4.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Over pressurization protection in place and operative	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All piping valves, and accessories in place and operative	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Weld seams, all joints; Check for leaks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Piping, valves, closures, gaskets: Check for leaks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Piping valves, closures: Each valve and closure tested in sequence and each valve and closure.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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"/>

Comp 1		Comp 2		Comp 3		Comp 4		Comp 5		Comp 6	
Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Leak Test Pressure 20 psi Test Medium Air Water Other _____

Leak Test Hold Time 10 mins

No Defects Found Defects Found. Defects Corrected Inspected and Tested

Max Tkachuk

Apr 14, 2026

Tank Tester Name

Signature

Date



Exhibit 1 Rev 0. Date: June 30, 2021 Page 4 of 9
Internal Inspection QC Manual Ref 12.3

Item Inspected	Pass	Fail
Tank shell, heads, baffles, rings: Check entire surfaces for corrosion, abrasion. Check all welds for cracks, leaks. Check for overlay patches. Corroded or abraded areas shall be thickness tested.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Piping, Valves, Piping supports: Check for leaks damage, corrosion, proper functioning, bolted connections on flanges for tightness, missing bolts.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Linings: Non elastomeric linings: Check for damage that compromises lining integrity, in accordance with lining manufacturers recommendations Ref CSA B620 Table 7.2 Note 7. Damaged areas shall be thickness tested	<input type="checkbox"/> N/A	<input type="checkbox"/>
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"/>

7.2.2.2 Rejection criteria for internal inspections

- (a) less than the minimum thickness remaining under a cut, dig, or gouge.
- (b) any dent with a depth of more than 12.7 mm (0.5 in) where it includes a weld.
- (c) any dent with a depth of greater than 10% of the length of the dent.
- (d) any weld defect, including a crack, pinhole, or incomplete fusion of the weld.
- (e) any structural defect.
- (f) any source of leakage; or
- (g) repairs made to liquid-retaining components using overlay patches.

No Defects Found Defects Found. Defects Corrected Inspected and Tested

Max Tkachuk

Apr 14, 2026

Tank Inspector Name

Signature

Date



Exhibit 1 Rev 0. Date: June 30, 2021 Page 5 of 9
Pressure Test – QC Manual Ref: 12.4

Items Tested	Pass	Fail
Prior to conducting a pressure test, the tank shall have completed a satisfactory external visual and internal visual inspection.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pressure gauges: Check to ensure calibration current. Pressure gauge range shall be no less than 1-1/2 times no greater than 4 times the tank test pressure	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Over pressurization protection: Ensure adequate protection to prevent over pressurization	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pressure tests shall be conducted with (a) all spring closing pressure relief devices set to operate at or below test pressure clamped, plugged, or otherwise rendered inoperative; and (b) all closures shall be in place. All relief devices shall be returned to operating condition immediately after the test is completed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
In conjunction with the Pressure Test, all reclosing pressure-relief devices shall be (a) replaced; or (b) 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 checked="" type="checkbox"/>	<input type="checkbox"/>
All tank piping and accessories shall be pressure tested at not less than 80% of the tank's MAWP.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heating System - Hydrostatic pressure test. Heating system shall be hydrostatically pressure tested prior to the tank pressure test. The tank shall not be pressurized during the test. Ref CSA B620 7.2.7.9. Heating system test pressure hold time minimum 5 minutes	<input type="checkbox"/> N/A	<input type="checkbox"/>
Tank marking: Date (month and year), Symbol (P), Facility Registration Number applied after all defects corrected, inspected and tested	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Heating System Pressure Tested

Heating System Design Pressure _____ psi Heating System Test Pressure _____ psi

Tank Pressure Test Method Hydrostatic Pneumatic Pressure Test Medium Water Static Air

Tank Pressure Test Hold Time 10 Minutes Tank Test Pressure 40 psi

Comp 1		Comp 2		Comp 3		Comp 4		Comp 5		Comp 6	
Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

No Defects Found Defects Found Defects Corrected Inspected and Tested

Max Tkachuk

Apr 14, 2026

Tank Tester Name

Signature

Date



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Pressure Relief Device Test QC Manual Appendix A

Item Inspected

Visual examination for corroded areas, damage, rain caps in place, check for conditions that indicate weaknesses that might render the device and tank unsafe for transportation. Examine device name plate to ensure all required information is legible. Devices tested to ensure that they open at the required set-to-discharge pressure for the tank's MAWP and reseat at not less than 90% of that pressure or at the reseat pressure prescribed for the tank specification

Comp 1

Pressure Relief Device Make FORT VALVE
 Device Capacity 379 269 SCF/Hr
 Set to discharge pressure 33 psi
 Device opened at 31 psi Device re-seat pressure 31 psi
 Pressure relief device Pass Fail Replace

Comp 2

Pressure Relief Device Make _____
 Device Capacity _____ SCF/Hr
 Set to discharge pressure _____ psi
 Device opened at _____ psi Device re-seat pressure _____ psi
 Pressure relief device Pass Fail Replace

Comp 3

Pressure Relief Device Make _____
 Device Capacity _____ SCF/Hr
 Set to discharge pressure _____ psi
 Device opened at _____ psi Device re-seat pressure _____ psi
 Pressure relief device Pass Fail Replace

Comp 4

Pressure Relief Device Make _____
 Device Capacity _____ SCF/Hr
 Set to discharge pressure _____ psi
 Device opened at _____ psi Device re-seat pressure _____ psi
 Pressure relief device Pass Fail Replace

Comp 5

Pressure Relief Device Make _____
 Device Capacity _____ SCF/Hr
 Set to discharge pressure _____ psi
 Device opened at _____ psi Device re-seat pressure _____ psi
 Pressure relief device Pass Fail Replace

Comp 6

Pressure Relief Device Make _____
 Device Capacity _____ SCF/Hr
 Set to discharge pressure _____ psi
 Device opened at _____ psi Device re-seat pressure _____ psi
 Pressure relief device Pass Fail Replace

Max Tkachuk

Apr 14, 2026

Tank Tester Name

Signature

Date



SHELL	SHELL SIDE	SHELL BOTTO
SA240-316	SA240-316	SA240-316
3,28	3,28	3,28
3,43	3,43	3,43

Edmundo Torres
 INYTEX SENSORS
 TC407

09-2014
 12-3074

09-2014

4500 L/MIN
 72 KPA
 5000 L/MIN
 87 KPA
 N/A
 N/A
 ER316L

TECHNICAL