



229, 27312 TWP RD 394
 Lacombe County, Alberta T4M 0R9
 Canada
 accounting@evolutioninspections.ca
 Phone: 403-885-0733

INVOICE

Invoice No.: 0323-353
 Date: 30 Mar, 2023
 Page: 1
 Quote No:

Bill To:
Robertsons Oilfield Services LTD
 Butch
 Box 473
 Daysland, Alberta T0B 1A0
 Canada

Info:
 Robertsons Oilfield Services LTD
 Butch
 Box 473
 Daysland, Alberta T0B 1A0
 Canada

Business No.: 811063890RT0001

| Description | Quantity | Unit | Unit Price | Amount |
|---|----------|------|--------------|----------|
| Unit # Truck | | | | |
| 1 Year (VK) Inspection TC 407/412 | 1.0 | Each | 585.00 | 585.00 |
| Inspection decal | 2.0 | Each | 9.00 | 18.00 |
| Hose Test | 3.0 | Each | 48.00 | 144.00 |
| Replaced 60 psi gauge in cabinet, replaced camlocks on vent. | | | | |
| Labour Technician | 0.5 | Hour | 125.00 | 62.50 |
| 60 psi pressure gauge | 1.0 | Each | 33.50 | 33.50 |
| 2" aluminum camlock cap | 1.0 | Each | 18.00 | 18.00 |
| 2" mnpt x 2" m/camlock aluminum | 1.0 | Each | 11.55 | 11.55 |
| Unit # Trailer | | | | |
| 5 Year (PIVK) Inspection TC 407/412 | 1.0 | Each | 780.00 | 780.00 |
| Inspection decal | 2.0 | Each | 9.00 | 18.00 |
| Replaced inop butterfly valve & actuator. Replaced damaged air line to relief valve. P/s front head valve not functioning. Remove valve, function test & reinstall, ice & sludge in piping. Retest after repairs. | | | | |
| Labour Technician | 3.0 | Hour | 125.00 | 375.00 |
| Relief Valve Servicing Sub Service - Replaced damaged pressure plate, install seal kit, machine nozzle, clean, assemble & test. | 1.0 | Each | 581.36 | 581.36 |
| 3" norris butterfly valve | 1.0 | Each | 299.25 | 299.25 |
| 3" inline air actuator | 1.0 | Each | 590.20 | 590.20 |
| 1/4" synflex | 5.0 | Each | 0.45 | 2.25 |
| 1/4" synflex union | 1.0 | Each | 4.53 | 4.53 |
| 1/4" 90 | 1.0 | Each | 4.89 | 4.89 |
| Inspect Titan wiring between truck & pup. Cut out previous splicing & corrosion. Resplice wiring to plug. Remove all wiring from Titan gauge to board & run new wire. Incorrect or faulty transmitter also suspected. | | | | |
| Labour Mechanic | 2.5 | Hour | 130.00 | 325.00 |
| Shop Supplies | 1.0 | Each | 136.50 | 136.50 |
| Subtotal: | | | | 3,989.53 |
| Freight | | | | 39.00 |
| G - GST 5% GST/HST | | | | 201.44 |
| Shipped By: Tracking Number: | | | Total Amount | 4,229.97 |
| Terms: Net 30. Due 29 Apr, 2023. | | | Amount Paid | 0.00 |
| Comment: INTEREST CHARGED 2% MONTH 24% ANNUM ON OVERDUE ACCOUNTS | | | Amount Owing | 4,229.97 |
| Sold By: Wattie, Jason | | | | |



#56 Trailer CUIP ①

Invoice

Iron Creek Truck & Trailer Ltd

Iron Creek Truck & Trailer Ltd
 GST# 85755 7151 RT0001
 Box 556 4909 50th Ave 4909-50 Ave
 Daysland AB T0B 1A0

Invoice #: 22020
 Opened: 2/14/2023 2:14 PM
 Closed: 2/21/2023 9:24 AM
 PO Ref #:
 Page: 1

Bill To:

Robertsons Trucking
 ATTN: Butch Robertson
 Box 473
 Daysland AB T0B 1A0

Vehicle #: Robertsons079521
 Year: 2008
 Make: Lazer
 Model: LA223PPCR
 License #: UNIT 56
 VIN #: 2L9TC43128D079521
 Meter: 0 0
 Engine:

(SIGNATURE)

(DATE)

Services Performed

| Service Code | Description | Taxable | Hours | Rate (hourly) | Total Price |
|--------------|---|---------|-------|---------------|-------------|
| 12 | CVI Air Brake Trailer | Y | 1.00 | \$250.00 | \$250.00 |
| 2402 | Triaxle Truck/Trailer Wheel Removal @ \$100/Axle | Y | 3.00 | \$100.00 | \$300.00 |
| 02 | Brakes - Replace all brake hardware. Most of the brake hardware was fatigued and some of the springs were missing. Removed all of the hardware. Had to heat up and knock out some of the worn pins in the spyders. Cleaned up and installed new bushings and pins. Installed the shoes back on after other repairs were finished. - Repair for #2L brake pot is full of dirt. Blew out brake pot with air until no more dirt was coming out. - Replaced #2R and #3L pot plugs. - Blow out #2 axle tone rings and re-adjust sensor gaps. Cleaned out #2L and set new ABS sensor. | Y | 4.50 | \$142.00 | \$639.00 |
| 0201 | Brakes - Repair for #1R, #2L and #3L s-cams sticky. Sticky brakes were caused by seized slacks. Once the slack adjusters were disconnected from the brakes the scams were able to turn freely. Removed the slack adjusters to be replaced. - Repair for #1L and #3 axle s-cam bushings fail. Brakes were already removed. After the brakes were removed it was easier to see that there was also a couple extra s cams and tubes that were failed ended up replacing 5 sets on the trailer. - Repair for #3 axle slack bushings missing/broken. Were replaced when new slack adjusters were installed. - Repair for #1 axle and #2L slacks rounded off. Replaced all slack adjusters. 5 slack adjusters already needed to be replaced, so we did all of them so that there would be no issues and they would all be working properly. Had to cut out a few of the pins for the slacks during removal. Had to replace one of the clevises. | Y | 5.20 | \$142.00 | \$738.40 |
| 06 | Frame and Suspension Repair for #1L airbag fails. Removed air bag, all bolts were siezed, had to heat up to remove. Cleaned up large amounts of rust off the frame and mounting plate, replaced with new nuts and tightened down, hooked up air line, plugged second air input hole. aired up to check for leaks. | Y | 1.20 | \$142.00 | \$170.40 |

I, the above signed owner or assignee, acknowledge indebtedness to this invoice. I understand that payment is due in full within 30 days of billing date, and that interest will be charged on unpaid balances at a rate of 3% per month. I understand a Garagekeepers Lien may be applied to the vehicle listed above for parts and services provided by Iron Creek Truck & Trailer Ltd.

| | | |
|--------------------|--------|-------------------|
| Sub Total | | \$5,219.93 |
| GST | 5.000% | \$261.00 |
| | 0.000% | \$0.00 |
| Grand Total | | \$5,480.93 |



#56 Trailer CVIP

(2)

Invoice

Iron Creek Truck & Trailer Ltd

Iron Creek Truck & Trailer Ltd
 GST# 85755 7151 RT0001
 Box 556 4909 50th Ave 4909-50 Ave
 Daysland AB T0B 1A0

Invoice #: 22020
 Opened: 2/14/2023 2:14 PM
 Closed: 2/21/2023 9:24 AM
 PO Ref #:
 Page: 2

Vehicle #: Robertsons079521
 Year: 2008
 Make: Lazer
 Model: LA223PPCR
 License #: UNIT 56
 VIN #: 2L9TC43128D079521
 Meter: 0 0
 Engine:

Bill To:

Robertsons Trucking
 ATTN: Butch Robertson
 Box 473
 Daysland AB T0B 1A0

| | | (SIGNATURE) | (DATE) | | |
|----|---|-------------|--------|----------------------|-------------------|
| 15 | Misc | Y | 1.70 | \$142.00 | \$241.40 |
| | - Repair for tank hold down bolts loose by #1R. Cut out old worn bolts and replaced with new bolts, tightened down. - Repair for 1 safety chain latch broken and 1 safety chain hook missing. Replaced hooks - Repair for door on control box loose and barely attached. Removed door and cleaned up all welds, pushed dent out a little on cabinet. Drilled out hinge and door to rivet it back together, adjusted latch to be tighter. - Secure wires at #2 axle. Tied up all wires along with the new ABS wires. | | | | |
| 17 | Lights | Y | 3.00 | \$142.00 | \$426.00 |
| | - Repair for ABS light n/w. Removed the light and found the light not plugged in and the pigtail broken. Replaced the pigtail and got the light working again. Was able to get blink codes and traced it down to a failed sensor. Had difficulty getting the sensor out. Had to removed the hub to knock the sensor out. Cleaned up the hole for reassembly. Installed a new sensor and secured the wiring. Reinstalled the hub with a new seal after inspecting the bearings. Verified ABS light went out when trailer kicked out of the shop. - Repair for reflectors missing in front of #1R and #1L. Removed and cleaned old ones off. Installed new ones. - Repair for clearance light by #1R n/w. Found corroded wiring, cut back and respliced. | | | | |
| 22 | Air System | Y | 1.40 | \$142.00 | \$198.80 |
| | - Repair for air back feeding through emergency side. Diagnosed and figured out which valve was failed. Removed and replaced. Had to change a couple fittings. Also replaced a drain valve that was leaking on tank. - Repair for red glad hand rubber fails and blue glad hand fails. Replaced the glad hand and the rubber on the red one. | | | | |
| 29 | Adjust tire pressures to 90 psi | Y | 0.30 | \$142.00 | \$42.60 |
| 55 | Mudflap | Y | 0.40 | \$142.00 | \$56.80 |
| | - Repair for left rear mudflap loose. Tightened up mudflap. - Repair for mudflap ripped in front of #1R. Replaced torn mudflap with a good used mudflap. | | | | |
| | | | | Total Service | \$3,063.40 |

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Sub Total \$5,219.93
 GST 5.000% \$261.00
 0.000% \$0.00
 Grand Total \$5,480.93



#56 Trailer CUIP (3)

Invoice

Iron Creek Truck & Trailer Ltd

Iron Creek Truck & Trailer Ltd
 GST# 85755 7151 RT0001
 Box 556 4909 50th Ave 4909-50 Ave
 Daysland AB T0B 1A0

Invoice #: 22020
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 Page: 3

Bill To:

Robertsons Trucking
 ATTN: Butch Robertson
 Box 473
 Daysland AB T0B 1A0

Vehicle #: Robertsons079521
 Year: 2008
 Make: Lazer
 Model: LA223PPCR
 License #: UNIT 56
 VIN #: 2L9TC43128D079521
 Meter: 0 0
 Engine:

(SIGNATURE)

(DATE)

Parts Used

| Part Number | Description | Taxable | Quantity | Price (each) | Total Price |
|--------------------|---------------------------------|---------|----------|--------------|-------------|
| 12-006 | Glad Hand, Service | Y | 1.00 | \$6.74 | \$6.74 |
| 12012 | Glad Hand Rubber | Y | 1.00 | \$2.10 | \$2.10 |
| 121-B | Plug, 1/4" NPT | Y | 1.00 | \$0.84 | \$0.84 |
| 1468-8C | Connector, 1/2 Tube x 3/8 NPT | Y | 2.00 | \$7.50 | \$15.00 |
| 179.CP12 | Clevis Pin, 1/2" | Y | 6.00 | \$1.74 | \$10.44 |
| 2120-B | Shut Off Cock | Y | 1.00 | \$10.64 | \$10.64 |
| 3200-0009-0177 | Plug, Brake Pot | Y | 2.00 | \$3.65 | \$7.30 |
| 330-3009 | Gasket, Hubcap Lg 6 Hole | Y | 1.00 | \$3.70 | \$3.70 |
| 372-7097 | Wheel Seal | Y | 1.00 | \$57.38 | \$57.38 |
| 66076 | Hook, 1/2" w/Latch | Y | 1.00 | \$30.47 | \$30.47 |
| 67050 | Plug, 2 Way | Y | 1.00 | \$3.00 | \$3.00 |
| 7590 | Oil, 75/90 Synthetic | Y | 1.00 | \$12.77 | \$12.77 |
| AB1DK28E-8091 | Air Bag | Y | 1.00 | \$174.83 | \$174.83 |
| AR2034L | Camshaft, LH | Y | 3.00 | \$55.65 | \$166.95 |
| AR2035R | Camshaft, RH | Y | 2.00 | \$68.92 | \$137.84 |
| BHK051 | Hardware Kit, Q and QPlus | Y | 5.00 | \$11.39 | \$56.95 |
| Bolt 0.62 x 3 plus | Bolt .62"NC x 3" and over | Y | 2.00 | \$3.50 | \$7.00 |
| CS3110 | Washer, Camshaft | Y | 6.00 | \$1.35 | \$8.10 |
| D0010216 | Slack Adjuster | Y | 6.00 | \$117.41 | \$704.46 |
| EFO | Env Fee Oil | Y | 1.00 | \$0.10 | \$0.10 |
| FS-5082A | Clevis, 5/8" OD X 1/2" Pin | Y | 1.00 | \$3.76 | \$3.76 |
| Freight | Freight, Hwy9 O/N Basic | Y | 1.00 | \$55.11 | \$55.11 |
| KFL313 | Parts Cleaner | Y | 1.00 | \$6.88 | \$6.88 |
| KN26000N | Valve, Air, Multi Function RT-4 | Y | 1.00 | \$110.21 | \$110.21 |
| QPlus | Brake Shoes, Q plus | Y | 1.00 | \$113.99 | \$113.99 |
| Roloc | Roloc Disc | Y | 1.00 | \$6.60 | \$6.60 |
| S28890 | Kit, Intraax Cam Tube | Y | 5.00 | \$55.65 | \$278.25 |
| S29000 | Sensor, ABS | Y | 2.00 | \$72.93 | \$145.86 |
| Shrink | Shrink Connector | Y | 2.00 | \$1.28 | \$2.56 |
| TRL54A | Reflector, Amber Oval | Y | 2.00 | \$2.55 | \$5.10 |
| Unit518 | Unit 518 Sealant | Y | 1.00 | \$5.81 | \$5.81 |

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| | | |
|--------------------|--------|-------------------|
| Sub Total | | \$5,219.93 |
| GST | 5.000% | \$261.00 |
| | 0.000% | \$0.00 |
| Grand Total | | \$5,480.93 |



#56 Trailer CVIP

(4)

Invoice

Iron Creek Truck & Trailer Ltd

Iron Creek Truck & Trailer Ltd
GST# 85755 7151 RT0001
Box 556 4909 50th Ave 4909-50 Ave
Daysland AB T0B 1A0

Invoice #: 22020
Opened: 2/14/2023 2:14 PM
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Bill To:

Robertsons Trucking
ATTN: Butch Robertson
Box 473

Daysland AB T0B 1A0

Vehicle #: Robertsons079521
Year: 2008
Make: Lazer
Model: LA223PPCR
License #: UNIT 56
VIN #: 2L9TC43128D079521
Meter: 0 0
Engine:

| | | | (SIGNATURE) | (DATE) |
|--------|----------------|---|-------------|--------------------|
| X124-C | Fitting | Y | 1.00 | \$3.15 |
| Zip | Zip Ties | Y | 6.00 | \$0.17 |
| ZipL | Zip Tie, Large | Y | 2.00 | \$0.81 |
| | | | | Total Parts |
| | | | | \$2,156.53 |

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| Sub Total | | \$5,219.93 |
| GST | 5.000% | \$261.00 |
| | 0.000% | \$0.00 |
| Grand Total | | \$5,480.93 |

HIGHWAY TANK INSPECTION REPORT

JOB NO. 0323-353

OWNERS INFORMATION

| | | | |
|---|---|--------------------------|----------------------------------|
| OWNER. Robertsons Oilfield Services LTD | ADDRESS: Box 473 Daysland, AB T0B 1A0 | CONTACT. Butch | PHONE NO. 780-679-5586 |
|---|---|--------------------------|----------------------------------|

TEST DATA

| | |
|--|-----------------------------|
| INSP INTERVAL: 6 MONTH <input type="checkbox"/> 1YR <input checked="" type="checkbox"/> 2YR <input type="checkbox"/> 2.5YR <input type="checkbox"/> 5YR <input type="checkbox"/> | 5YR DATE. 03/2021 |
| INSP/TEST COMPLETED. EXTERNAL (V) <input checked="" type="checkbox"/> LEAKAGE (K) <input checked="" type="checkbox"/> PRESSURE (P) <input type="checkbox"/> INTERNAL (I) <input type="checkbox"/> THICKNESS (T) <input type="checkbox"/> LINING (L) <input type="checkbox"/> MPI (W/F) <input type="checkbox"/> UPPER COUPLER (U/C) <input type="checkbox"/> SPECIAL SERVICE. LINED <input type="checkbox"/> INSULATED <input type="checkbox"/> CORROSIVE <input type="checkbox"/> TEST MEDIUM. HYDROSTATIC <input type="checkbox"/> PNEUMATIC <input checked="" type="checkbox"/> LADING <input type="checkbox"/> (TC 331 MIN LADING (K) TEST PRESSURE 60 PSI) | |

EQUIPMENT DATA

| | | | |
|------------------------------------|--|--|-----------------------------------|
| UNIT NO. Truck 55 | TANK MANUFACTURER/ASSEMBLER Lazer Inox | TANK SERIAL NO. 1NKDX4EX7CR54205 | |
| MDIN. / TCRN. 12204 | CAPACITY. 22,000 L | MAWP / DP 172 kpa | |
| TANK SPEC. TC 407 | MFR DATE. 10/11 | CERT / ORG TEST DATE. 03/12 | EXP SURF AREA. 49.33 m2 |

EQUIPMENT MATERIAL DATA

| | | | |
|------------------------------------|-------------------------------------|----------------------------------|----------------------------------|
| HEAD MATERIAL. SA240-316 | SHELL MATERIAL. SA240-316 | WELD MATERIAL. ER316L | LINING MATERIAL. n/a |
| MFD HEAD THK. 4.73 mm | MIN HEAD THK. 4.03 mm | MFD SHELL THK. 3.43 mm | MIN SHELL THK. 3.28 mm |

SAFETY RELIEF DATA

| | | | | |
|---|----------------------|--------------------------------|------------------------------|---------------------------------|
| INSPECTED. <input checked="" type="checkbox"/> TESTED. <input type="checkbox"/> | QTY PRV. 1 | SET PRESSURE. 30 psi | MAKE. Fort Vale | SCFM. 386,926 scfh |
| REPAIRED. <input type="checkbox"/> REPLACED. <input type="checkbox"/> | NOTES. | | OPEN PRESSURE. n/a | RE-SEAT PRESSURE. n/a |

TC 331, MC 330/331, TC 51, CTC 51, DOT 51

| | |
|---|---|
| TANK MATERIAL CONSTRUCTION NQT <input type="checkbox"/> QT <input type="checkbox"/> | STRESS RELIEVED WHEN MANUFACTURED YES <input type="checkbox"/> NO <input type="checkbox"/> |
| STRESS RELIEVED AFTER REPAIR YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/> IF YES, STRESS RELIVE COMPLETE <input type="checkbox"/> OR LOCAL <input type="checkbox"/> N/A <input type="checkbox"/> | |

TANK DISPOSITION: REMOVED FROM SERVICE RETURNED TO SERVICE REPAIRS COMPLETED (SEE REMARKS)

REMARKS:

Unit passed inspection.

| N/A | 7.2.1 (V) EXTERNAL VISUAL INSPECTION | N/A | COMPLY | REPAIR |
|---|--|--------------------------|---|---------------------------|
| <input type="checkbox"/> | THE INSPECTOR SHALL ENSURE THAT ALL PRECAUTIONS ARE TAKEN TO ENSURE THAT THERE IS NO HAZARD TO PERSONNEL PERFORMING THE INSPECTION OR TEST, OR TO PERSONS IN THE GENERAL VICINITY. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | INSPECT THE METAL ID PLATE, ENSURE THAT THE INFORMATION IS CORRECT, INSPECT TANK MARKINGS, INSPECT TANK SPECIFICATION, MAWP AND ANY PERTINENT INFORMATION TO DETERMINE THE INSPECTION & TEST INTERVAL (TABLES 7.2, 7.3, 7.4) & TEST PRESSURES, INSPECT FOR ANY SPECIAL SERVICES. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | WITHOUT REMOVING INSULATION OR JACKETING, CHECK FOR CORRODED AREAS, DENTS, DISTORTIONS, DEFECTS IN WELDS, DEFECTS IN PIPING, LEAKAGE, NONCONFORMANCE FITTINGS & SIGNS OF WEAKNESS. ALL INSULATED TANKS REQUIRE INTERNAL INSPECTION EXCEPT FOR TC 341, 338. (TABLE 7.3) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | INSPECT THAT DEVICES FOR TIGHTENING MANHOLE COVERS ARE OPERATIVE, COVERS ARE LEAK TIGHT, NO DAMAGE OR SIGNS OF WEAKNESS. GASKETS ON ANY FULL OPENING REAR HEAD SHALL BE VISUALLY INSPECTED FOR CUTS, CRACKS, SPLITS. ANY WITH A DEPTH OF (0.5 IN) OR ARE LIKELY TO CAUSE LEAKS NEED TO BE REPLACED. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | ENSURE PROPER FUNCTIONING OF ALL VALVES, VENTS AND EMERGENCY DEVICES INCLUDING SELF-CLOSING STOP VALVES, EXCESS FLOW VALVES AND REMOTE CLOSURE DEVICES. ENSURE THAT ALL VALVES ARE FREE OF CORROSION, DISTORTION OR ANY OTHER DAMAGE THAT WOULD PREVENT THEIR NORMAL OPERATION. INTERNAL SELF-CLOSING VALVE AND OFF TRUCK EMERGENCY SHUTDOWN SYSTEMS TESTED IN ACCORDANCE WITH CLAUSE 7.2.9 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | ENSURE THAT ANY NUTS OR BOLTS ON ANY FLANGED CONNECTION OR BLANK FLANGE ARE IN PLACE AND PROPERLY TIGHTENED. MULTI COMPARTMENT VEHICLE DRAINS UNCAPPED OR UNPLUGGED, INSPECT FOR EVIDENCE OF LEAKAGE FROM DRAINS OR VOIDS. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | ENSURE MAJOR APPURTENANCES, ATTACHMENTS, CONNECTING STRUCTURES AND THE PORTION OF THE UPPER COUPLER ASSEMBLY (WITHOUT) DISMANTLING ARE NOT DAMAGED OR CORRODED AS TO AFFECT THE SAFE OPERATION OF THE VEHICLE. INSPECT THE REAR END PROTECTION, MINIMUM HEIGHT, INSPECT DAMAGE PROTECTION FOR PIPING AND VALVES, TANK TRAILERS IN CORROSIVE SERVICE REQUIRE U/C INSP EVERY 2 YEARS (TABLE 7.3) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | ENSURE THAT HOSE ASSEMBLIES MOUNTED ON OR ACCOMPANYING THE TANK DO NOT DISPLAY ANY DEFECTS AND WERE APPLICABLE INDICATE THEY WERE PRESSURE TESTED WITHIN THE PRESCRIBED PERIOD. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | CORRODED OR ABRADED AREAS OF THE TANK SHALL BE THICKNESS TESTED SEE (T) THICKNESS TESTING REPORT. UNLINED TANKS IN CORROSIVE SERVICE SHALL BE THICKNESS TESTED EVERY 2 YEARS (TABLE 7.3) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | INSPECT RECLOSING PRESSURE RELIEF VALVES FOR CORROSION OR DAMAGE, TANKS THAT CARRY CORROSIVE LADING NEED THEIR PRESSURE RELIEF VALVES EITHER REPLACED OR TESTED IN ACCORDANCE WITH CLAUSE 7.2.1.4 & 7.2.7.6 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | ADDITIONAL REJECTION CRITERIA- LESS THAN THE MINIMUM THICKNESS REMAINING UNDER A CUT, DIG OR GOUGE. ANY DENT WITH A DEPTH OF MORE THAN 12.7MM WHERE IT INCLUDES A WELD. ANY DENT WITH A DEPTH GREATER THAN 10% OF THE LENGTH OF THE DENT. ANY WELD DEFECT, CRACK, PINHOLE, OR INCOMPLETE FUSION OF WELD. ANY STRUCTURAL DEFECT, ANY SOURCE OF LEAKAGE. REPAIRS MADE TO THE LIQUID RETAINING COMPONENTS USING AN OVERLAY PATCH. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| EXTERNAL VISUAL INSPECTION COMPLETED AS PER THE B620 STANDARD & EVOLUTION SAFE WORK PROCEDURE ALL ITEMS COMPLY, PERFORM ADDITIONAL TESTS AND INSPECTIONS AS REQUIRED. | | | COMPLY <input checked="" type="checkbox"/> | |
| INSPECTOR NAME & SIGNATURE. Phillip Campos <i>Phillip Campos</i> | | | INSPECTION DATE. . 30-Mar-23 | |
| N/A | 7.2.5 (K) LEAKAGE TEST | N/A | COMPLY | REPAIR |
| <input type="checkbox"/> | ENSURE THAT ALL VENTING DEVICES SET TO RELIEVE AT LESS THAN THE TEST PRESSURE ARE REMOVED OR RENDERED INOPERATIVE. UPON COMPLETION OF TEST ALL VENTING DEVICES HAVE BEEN PUT BACK INTO OPERATION. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | THE TEST PRESSURE SHALL NOT BE LESS THAN 80% OF THE TANK DESIGN PRESSURE OR MAWP, WHICHEVER IS LESS AND MARKED ON THE CERTIFICATION PLATE. TC331 TANKS NOT LESS THAN 60 PSI | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | WATER OR AIR SHALL BE USED AS THE TEST MEDIUM, WITH PNEUMATIC TESTING SOAP AND WATER SHALL BE USED TO DETECT FOR LEAKS, LADING CAN BE USED FOR TC 331 MIN 60 PSI | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | PRODUCT PIPING WITH ALL VALVES AND ACCESSORIES ARE IN PLACE AND OPERATIVE, EACH VALVE AND CLOSURE SHALL BE TESTED IN SEQUENCE WITH THE TANK AT NORMAL OPERATING CONDITION. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| LEAKAGE TEST COMPLETED AS PER THE B620 STANDARD & EVOLUTION SAFE WORK PROCEDURE ALL ITEMS COMPLY, PERFORM ADDITIONAL TESTS AS REQUIRED. | | | COMPLY <input checked="" type="checkbox"/> | |
| TESTER NAME & SIGNATURE. Phillip Campos <i>Phillip Campos</i> | | TEST PRESSURE. 20 psi | HOLDING TIME. 15 min | TEST DATE. . 30-Mar-23 |

HIGHWAY TANK INSPECTION REPORT

JOB NO. 0323-353

OWNERS INFORMATION

| | | | |
|--|--|-------------------|---------------------------|
| OWNER. Robertsons Oilfield Services LTD | ADDRESS: Box 473 Daysland, AB T0B 1A0 | CONTACT. Butch | PHONE NO. 780-679-5586 |
|--|--|-------------------|---------------------------|

TEST DATA

| | |
|---|----------------------|
| INSP INTERVAL: 6 MONTH <input type="checkbox"/> 1YR <input type="checkbox"/> 2YR <input type="checkbox"/> 2.5YR <input type="checkbox"/> 5YR <input checked="" type="checkbox"/> | 5YR DATE. 03/2023 |
| INSP/TEST COMPLETED. EXTERNAL (V) <input checked="" type="checkbox"/> LEAKAGE (K) <input checked="" type="checkbox"/> PRESSURE (P) <input checked="" type="checkbox"/> INTERNAL (I) <input checked="" type="checkbox"/> THICKNESS (T) <input type="checkbox"/> LINING (L) <input type="checkbox"/> MPI (W/F) <input type="checkbox"/> UPPER COUPLER (U/C) <input type="checkbox"/> SPECIAL SERVICE. LINED <input type="checkbox"/> INSULATED <input type="checkbox"/> CORROSIVE <input type="checkbox"/> TEST MEDIUM. HYDROSTATIC <input checked="" type="checkbox"/> PNEUMATIC <input checked="" type="checkbox"/> LADING <input type="checkbox"/> (TC 331 MIN LADING (K) TEST PRESSURE 60 PSI) | |

EQUIPMENT DATA

| | | | |
|----------------------------|---|--------------------------------------|----------------------------|
| UNIT NO. Trailer 56 | TANK MANUFACTURER/ASSEMBLER Lazer Inox | TANK SERIAL NO. 2L9TC43128D079521 | |
| MDIN. / TCRN. PV22KPP-2 | CAPACITY. 22,000 L | MAWP / DP 172.36 kpa | |
| TANK SPEC. TC 407 | MFR DATE. 10/07 | CERT / ORG TEST DATE. 10/07 | EXP SURF AREA. 49.60 m2 |

EQUIPMENT MATERIAL DATA

| | | | |
|-----------------------------|------------------------------|---------------------------|---------------------------|
| HEAD MATERIAL. SA240-316 | SHELL MATERIAL. SA240-316 | WELD MATERIAL. ER316L | LINING MATERIAL. n/a |
| MFD HEAD THK. 4.64 mm | MIN HEAD THK. 3.38 mm | MFD SHELL THK. 3.33 mm | MIN SHELL THK. 3.28 mm |

SAFETY RELIEF DATA

| | | | | |
|--|---------------|-------------------------|--------------------------|-----------------------------|
| INSPECTED. <input checked="" type="checkbox"/> TESTED. <input checked="" type="checkbox"/> | QTY PRV. 1 | SET PRESSURE. 30 psi | MAKE. Fort Vale | SCFM. 353,865 scfh |
| REPAIRED. <input checked="" type="checkbox"/> REPLACED. <input type="checkbox"/> | NOTES. | | OPEN PRESSURE. 30 psi | RE-SEAT PRESSURE. 28 psi |

TC 331, MC 330/331, TC 51, CTC 51, DOT 51

TANK MATERIAL CONSTRUCTION NQT QT STRESS RELIEVED WHEN MANUFACTURED YES NO
 STRESS RELIEVED AFTER REPAIR YES NO N/A IF YES, STRESS RELIVE COMPLETE OR LOCAL N/A

TANK DISPOSITION: REMOVED FROM SERVICE RETURNED TO SERVICE REPAIRS COMPLETED (SEE REMARKS)

REMARKS:

Unseized head valve on passenger side.

Unit passed inspection.



HOSE INSPECTION REPORT

| | |
|------------------------------------|---|
| INSPECTION DATE: 27-Mar-23 | EVOLUTION JOB NO: 0323-353 |
| EVOLUTION QC MANAGER: KEN WATTS | SITE HOSE TEST REPORT ATTACHED YES <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |

OWNER DATA

| | | | |
|--|--|-------------------|---------------------------|
| OWNERS NAME: Robertsons Oilfield Services LTD | ADDRESS: Box 473 Daysland, AB T0B 1A0 | CONTACT: Butch | PHONE NO: 780-679-5586 |
|--|--|-------------------|---------------------------|

INSPECTION TYPE:

PRESSURE (P) **VISUAL (V)** EACH HOSE ASSEMBLY SHALL BE PRESSURE TESTED ANNUALLY IN ACCORDANCE WITH THE FOLLOWING:
 (A) A HOSE ASSEMBLY HAVING ANY DAMAGE IDENTIFIED IN CLAUSE 7.2.10.4 SHALL BE TAKEN OUT OF SERVICE AND NOT BE PRESSURE TESTED UNTIL REPAIRED. (B) THE TEST PRESSURE SHALL BE
 (I) FOR CSA-CERTIFIED HOSE ASSEMBLIES, NOT LESS THAN 2400 KPA (350 PSI);
 (II) FOR GRAVITY OFF-LOAD HOSE ASSEMBLIES (DROP HOSES), NOT LESS THAN 69 KPA (10 PSI);
 (III) FOR VAPOUR RECOVERY HOSE ASSEMBLIES ON TC 406 TANKS AND THE EQUIVALENT AND SUBSTITUTE TANKS IDENTIFIED IN CSA B621, NOT LESS THAN 69 KPA (10 PSI);
 (IV) FOR VACUUM HOSE ASSEMBLIES ON TANKS LOADED BY VACUUM, USED EXCLUSIVELY FOR VACUUM LOADING, AND MARKED "VACUUM ONLY" IN PLACE OF HAWP AS SPECIFIED IN CLAUSE 7.2.10.6, NOT BE LESS THAN 69 KPA (10 PSI); AND
 (V) NOT APPLICABLE TO VACUUM HOSES THAT ARE
 (1) AN INTEGRAL PART OF A BOOM ASSEMBLY OR VACUUM SYSTEM ON TANKS LOADED BY VACUUM; AND
 (2) USED EXCLUSIVELY FOR VACUUM LOADING; AND
 (VI) FOR ALL OTHER HOSE ASSEMBLIES, THE GREATER OF 120% OF THE MARKED HAWP OF THE HOSE ASSEMBLY AND 518 KPA (75 PSI).

EQUIPMENT DATA

| HOSE ID NO: | HAWP: | TEST PRESSURE: | DISPOSITION & REMARKS |
|-------------|---------|----------------|---|
| 55-1 | 150 psi | 225 psi | PASSED INSPECTION <input checked="" type="checkbox"/> |
| 55-2 | 150 psi | 225 psi | PASSED INSPECTION <input checked="" type="checkbox"/> |
| 55-3 | 150 psi | 225 psi | PASSED INSPECTION <input checked="" type="checkbox"/> |
| | | | PASSED INSPECTION <input type="checkbox"/> |
| | | | PASSED INSPECTION <input type="checkbox"/> |
| | | | PASSED INSPECTION <input type="checkbox"/> |
| | | | PASSED INSPECTION <input type="checkbox"/> |
| | | | PASSED INSPECTION <input type="checkbox"/> |

WE CERTIFY THAT THERE WERE NO DEFECTED ITEMS DURING THE TIME OF INSPECTION DATED BELOW. THE UNIT HAS BEEN INSPECTED AND TESTED IN ACCORDANCE WITH THE B-620 STANDARDS AND ANY OTHER REGULATIONS AS APPLICABLE.

| | |
|------------------------------|--|
| INSPECTOR NAME: Lucas Cowles | INSPECTOR SIGNATURE: <i>Lucas Cowles</i> |
|------------------------------|--|

| 7.2.3 (L) LINING INSPECTION N/A <input checked="" type="checkbox"/> | | COMPLY | REPAIR |
|---|---|------------------------------------|--------------------------|
| <input type="checkbox"/> | INTEGRITY OF LININGS SHALL BE VERIFIED AS FOLLOWS: FOR RUBBER (ELASTOMERIC) LININGS EQUIPMENT — INSPECTION EQUIPMENT SHALL INCLUDE 1) A HIGH-FREQUENCY SPARK TESTER CAPABLE OF PRODUCING SUFFICIENT VOLTAGE TO ENSURE PROPER CALIBRATION; 2) A PROBE WITH AN L-SHAPED 2.4 MM (0.09 IN) DIAMETER WIRE, WITH UP TO 30.5 CM (12 IN) OF BOTTOM LEG (END BENT TO A 12.7 MM (0.5 IN) RADIUS), OR AN EQUALLY SENSITIVE PROBE; AND 3) A STEEL CALIBRATION COUPON 30.5 × 30.5 CM (12 × 12 IN) COVERED WITH THE SAME TYPE AND THICKNESS OF MATERIAL AS THE LINING THAT IS TO BE TESTED. THE MATERIAL ON THE COUPON SHALL HAVE A TEST HOLE TO THE METAL SUBSTRATE MADE BY PUNCTURING THE MATERIAL WITH A 22 GAUGE HYPODERMIC NEEDLE OR COMPARABLE PIERCING TOOL. II) CALIBRATION — THE PROBE SHALL BE PASSED OVER THE SURFACE OF THE CALIBRATION COUPON IN A CONSTANT, UNINTERRUPTED MANNER UNTIL THE HOLE IS FOUND. THE HOLE IS DETECTED BY THE WHITE OR LIGHT BLUE SPARK THAT APPEARS. (A SOUND LINING CAUSES A DARK BLUE OR PURPLE SPARK.) THE VOLTAGE SHALL BE ADJUSTED TO THE LOWEST SETTING THAT WILL PRODUCE A MINIMUM 12.7 MM (0.5 IN) SPARK MEASURED FROM THE TOP OF THE LINING TO THE PROBE. TO ENSURE THAT THE SETTING ON THE PROBE DOES NOT CHANGE, THE SPARK TESTER SHALL BE CALIBRATED PERIODICALLY, USING THE SAME TEST CALIBRATION COUPON, POWER SOURCE, PROBE, AND CABLE LENGTH. III) INSPECTION PROCEDURE — THE INSPECTION SHALL BE PERFORMED AS FOLLOWS: 1) AFTER CALIBRATION, THE PROBE SHALL BE PASSED OVER THE LINING IN AN UNINTERRUPTED STROKE. 2) DEFECTS SHALL BE REPAIRED USING EQUIPMENT AND PROCEDURES RECOMMENDED BY THE LINING MANUFACTURER OR INSTALLER. | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | INSPECTION OF LININGS OTHER THAN RUBBER (ELASTOMERIC MATERIAL) SHALL CONFORM TO THE PROCEDURES AND EQUIPMENT SPECIFIED BY THE LINING MANUFACTURER OR INSTALLER. | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | DEGRADED OR DEFECTIVE AREAS OF THE TANK LINING SHALL BE REMOVED, AND THE TANK WALL BELOW THE DEFECT SHALL BE INSPECTED. CORRODED AREAS OF THE TANK SHALL BE THICKNESS TESTED IN ACCORDANCE WITH CLAUSE 7.2.6. | <input type="checkbox"/> | <input type="checkbox"/> |
| LINING INSPECTION COMPLETED AS PER THE B620 STANDARD & EVOLUTION SAFE WORK PROCEDURE & QUALITY MANUAL AND ALL ITEMS COMPLY, PERFORM ADDITIONAL TESTS AND INSPECTIONS AS REQUIRED. | | COMPLY <input type="checkbox"/> | |
| INSPECTOR NAME & SIGNATURE. | | INSPECTION DATE. .. | |
| REMARKS: | | | |
| | | | |
| 7.2.6 (T) THICKNESS TEST N/A <input checked="" type="checkbox"/> | | COMPLY | REPAIR |
| <input type="checkbox"/> | THE TESTER PERFORMING THE THICKNESS TEST HAS BEEN TRAINED AND SHALL FOLLOW ANY INSTRUCTIONS OF THE TESTING DEVICE MANUFACTURER WITH RESPECT TO THE USE OF THAT DEVICE. THE TESTING DEVICE IS CAPABLE OF ACCURATELY MEASURING THICKNESS TO WITHIN ± 0.05 MM (0.002 IN). | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | THE TESTING DEVICE IS CALIBRATED FOR THE MATERIAL BEING TESTED | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | THE THICKNESS TEST SHALL BE PERFORMED ON THE TANK HEADS AND SHELL ON ANY KNOWN THIN AREAS, NOMINAL LIQUID LEVEL LINES, AROUND ANY PIPING THAT RETAINS LADING, HIGH-STRESS AREAS SUCH AS THE BOTTOM OF THE TANK AND AROUND OPENINGS, WELD JOINTS, SHELL REINFORCEMENTS, AND LOCATIONS WHERE APPURTENANCES ARE ATTACHED, NEAR THE UPPER COUPLER AND SUSPENSION SYSTEM ATTACHMENTS, ANY CONNECTING STRUCTURES AND STRUCTURES JOINING MULTIPLE CARBON STEEL TANKS ON A SELF-SUPPORTING TRANSPORT UNIT. | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | THE TANK SHALL BE REJECTED IF ANY THICKNESS MEASURED IS BELOW ITEMS IDENTIFIED IN CLAUSE 7.2.6.1.2 A), B), C), D), E) OF THE B620 STANDARD. | <input type="checkbox"/> | <input type="checkbox"/> |
| THICKNESS TEST COMPLETED AS PER THE B620 STANDARD & EVOLUTION SAFE WORK PROCEDURE & QUALITY MANUAL AND ALL ITEMS COMPLY; PERFORM ADDITIONAL TESTS AND INSPECTIONS AS REQUIRED. | | COMPLY <input type="checkbox"/> | |
| TESTER NAME & SIGNATURE. | | TEST DATE. .. | |

UNIT NO. Trailer **56**

| N/A | 7.2.7 (P) PRESSURE TEST | N/A <input type="checkbox"/> | COMPLY | REPAIR |
|---|--|---|--|---------------------------|
| <input type="checkbox"/> | THE INSPECTOR OR TESTER SHALL ENSURE THAT ALL PRECAUTIONS ARE TAKEN TO ENSURE THAT THERE IS NO HAZARD TO PERSONNEL PERFORMING THE INSPECTION OR TEST, OR TO PERSONS IN THE GENERAL VICINITY. | | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | PRESSURE TESTS SHALL BE CONDUCTED WITH ALL RELIEF DEVICES SET TO OPERATE AT OR BELOW TEST PRESSURE CLAMPED, PLUGGED, OR OTHERWISE RENDERED INOPERATIVE, AND ALL CLOSURES IN PLACE. ALL RELIEF DEVICES SHALL BE RETURNED TO OPERATING CONDITION IMMEDIATELY AFTER THE TEST IS COMPLETED. | | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | TANK TEST PRESSURE SHALL BE ESTABLISHED IN ACCORDANCE WITH (TABLE 7.4) OF THE CURRENT B-620 STANDARD | | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | FOR HYDROSTATIC TESTING, THE TANK INCLUDING ITS DOMES, SHALL BE COMPLETELY FILLED WITH WATER AT A TEMPERATURE NOT EXCEEDING 30 DEG CELSIUS. PRESSURE SHALL BE GAUGED AT THE TOP OF THE TANK. PNEUMATIC TESTING SHALL ONLY BE USED WHERE THERE IS NO SUSPICION OF WEAKNESS IN THE TANK; AND RESIDUAL WATER IN THE TANK AFTER THE TEST WOULD 1. REACT WITH THE LADING OF THE TANK OR ANY LADING RETENTION COMPONENT OR 2. RESULT IN THE FORMATION OF ICE, CAUSING DAMAGE OR ADVERSELY AFFECTING THE PROPER FUNCTION OF THE TANK. PRESSURE MAY BE GAUGED ANYWHERE ON THE TANK UNLESS THE DURATION OF THE TEST IS INCREASED TO 1 HOUR THE ENTIRE SURFACE OF ALL JOINTS UNDER PRESSURE SHALL BE COATED WITH A SOLUTION OF SOAP AND WATER FOR THE PURPOSE OF FOAMING OR BUBBLING TO INDICATE THE PRESENCE OF LEAKS | | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | DURING THE TEST PRECAUTIONS SHALL BE TAKEN TO NOT OVER PRESSURIZE THE TANK | | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | ALL PIPING AND ACCESSORIES SHALL BE PRESSURE TESTED AT NOT LESS THAN 80% OF THE TANKS MAWP | | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | MULTI-TANK MOTOR VEHICLE - EACH TANK OF A MULTI-TANK MOTOR VEHICLE SHALL BE SEPARATELY PRESSURE TESTED, AND DURING THE TEST, ADJACENT TANKS SHALL BE EMPTY AND AT ATMOSPHERIC PRESSURE. | | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | PRIOR TO SURFACE VISUAL INSPECTION OF THE TANK, PRESSURE SHALL BE REDUCED TO MAWP | | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | CRITERIA FOR A SUCCESSFUL TEST - A TANK SHALL HAVE SUCCESSFULLY COMPLETED THE TEST IF A) WHEN ISOLATED FROM THE PRESSURE SUPPLY, THE TEST PRESSURE IS RETAINED FOR AT LEAST 10 MIN; AND B) A VISUAL EXAMINATION OF ALL EXTERNAL SURFACES REVEALS NO DEFECTS, LEAKAGE, OR DEFORMATION. NOTE: IT IS ADVISABLE TO REMOVE THE UPPER COUPLER AND TO SUPPORT THE FRONT OF THE TANK PRIOR TO FILLING THE TANK FOR A HYDROSTATIC TEST. | | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| PRESSURE TEST COMPLETED AS PER THE B620 STANDARD & EVOLUTION SAFE WORK PROCEDURE & QUALITY MANUAL AND ALL ITEMS COMPLY, PERFORM ADDITIONAL TESTS AND INSPECTIONS AS REQUIRED. | | | COMPLY <input checked="" type="checkbox"/> | |
| TESTER NAME & SIGNATURE. Phillip Campos <i>Phillip Campos</i> | | TEST PRESSURE. 45 psi | HOLDING TIME. 15 min | TEST DATE. . 30-Mar-23 |
| N/A | 7.2.2.1 (I) INTERNAL INSPECTION | N/A <input type="checkbox"/> | COMPLY | REPAIR |
| <input type="checkbox"/> | CHECK TANK SHELL, HEADS AND BAFFLES FOR CRACKS, CORRODED AREAS, DENTS, DISTORTION, DEFECTS IN WELDS, DEFECTS IN PIPING AND ANY OTHER CONDITION INCLUDING LEAKAGE THAT MIGHT RENDER THE TANK UNSAFE FOR TRANSPORTATION SERVICE. | | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | CORRODED OR ABRADED AREAS OF THE TANK WALL SHALL BE THICKNESS TESTED SEE (T) THICKNESS TESTING REPORT & CLAUSE 7.2.6 IF THE TANK IS LINED, A LINING INSPECTION SHALL BE PERFORMED SEE (L) LINING INSPECTION & CLAUSE 7.2.3 | | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | ADDITIONAL REJECTION CRITERIA- LESS THAN THE MINIMUM THICKNESS REMAINING UNDER A CUT, DIG OR GOUGE. ANY DENT WITH A DEPTH OF MORE THAN 12.7MM WHERE IT INCLUDES A WELD. ANY DENT WITH A DEPTH GREATER THAN 10% OF THE LENGTH OF THE DENT. ANY WELD DEFECT, CRACK, PINHOLE, OR INCOMPLETE FUSION OF WELD. ANY STRUCTURAL DEFECT, ANY SOURCE OF LEAKAGE. REPAIRS MADE TO THE LIQUID RETAINING COMPONENTS USING AN OVERLAY PATCH. | | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| INTERNAL INSPECTION COMPLETED AS PER THE B620 STANDARD & EVOLUTION SAFE WORK PROCEDURE & QUALITY MANUAL AND ALL ITEMS COMPLY, PERFORM ADDITIONAL TESTS AND INSPECTIONS AS REQUIRED. | | | COMPLY <input checked="" type="checkbox"/> | |
| INSPECTOR NAME & SIGNATURE. Phillip Campos <i>Phillip Campos</i> | | | INSPECTION DATE. . 30-Mar-23 | |
| N/A | 7.2.4 (U/C) UPPER COUPLER INSPECTION | N/A <input checked="" type="checkbox"/> | COMPLY | REPAIR |
| <input type="checkbox"/> | UPPER COUPLER INSPECTION - AREAS COVERED BY THE UPPER COUPLER (FIFTH WHEEL) ASSEMBLY SHALL BE INSPECTED FOR CORRODED OR ABRADED AREAS, CRACKS, DENTS, DISTORTIONS, DEFECTS IN WELDS, AND ANY OTHER CONDITION THAT MIGHT RENDER THE TANK UNSAFE FOR USE IN TRANSPORTATION. THE UPPER COUPLER ASSEMBLY SHALL BE REMOVED FOR THIS INSPECTION. | | <input type="checkbox"/> | <input type="checkbox"/> |
| INSPECTOR NAME & SIGNATURE. | | | INSPECTION DATE. .. | |

| N/A | 7.2.1 (V) EXTERNAL VISUAL INSPECTION N/A <input type="checkbox"/> | COMPLY | REPAIR |
|---|--|---|-------------------------------------|
| <input type="checkbox"/> | THE INSPECTOR SHALL ENSURE THAT ALL PRECAUTIONS ARE TAKEN TO ENSURE THAT THERE IS NO HAZARD TO PERSONNEL PERFORMING THE INSPECTION OR TEST, OR TO PERSONS IN THE GENERAL VICINITY. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | INSPECT THE METAL ID PLATE, ENSURE THAT THE INFORMATION IS CORRECT, INSPECT TANK MARKINGS, INSPECT TANK SPECIFICATION, MAWP AND ANY PERTINENT INFORMATION TO DETERMINE THE INSPECTION & TEST INTERVAL (TABLES 7.2, 7.3, 7.4) & TEST PRESSURES, INSPECT FOR ANY SPECIAL SERVICES. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | WITHOUT REMOVING INSULATION OR JACKETING, CHECK FOR CORRODED AREAS, DENTS, DISTORTIONS, DEFECTS IN WELDS, DEFECTS IN PIPING, LEAKAGE, NONCONFORMANCE FITTINGS & SIGNS OF WEAKNESS. ALL INSULATED TANKS REQUIRE INTERNAL INSPECTION EXCEPT FOR TC 341, 338. (TABLE 7.3) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | INSPECT THAT DEVICES FOR TIGHTENING MANHOLE COVERS ARE OPERATIVE, COVERS ARE LEAK TIGHT, NO DAMAGE OR SIGNS OF WEAKNESS. GASKETS ON ANY FULL OPENING REAR HEAD SHALL BE VISUALLY INSPECTED FOR CUTS, CRACKS, SPLITS. ANY WITH A DEPTH OF (0.5 IN) OR ARE LIKELY TO CAUSE LEAKS NEED TO BE REPLACED. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | ENSURE PROPER FUNCTIONING OF ALL VALVES, VENTS AND EMERGENCY DEVICES INCLUDING SELF-CLOSING STOP VALVES, EXCESS FLOW VALVES AND REMOTE CLOSURE DEVICES. ENSURE THAT ALL VALVES ARE FREE OF CORROSION, DISTORTION OR ANY OTHER DAMAGE THAT WOULD PREVENT THEIR NORMAL OPERATION. INTERNAL SELF-CLOSING VALVE AND OFF TRUCK EMERGENCY SHUTDOWN SYSTEMS TESTED IN ACCORDANCE WITH CLAUSE 7.2.9 | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | ENSURE THAT ANY NUTS OR BOLTS ON ANY FLANGED CONNECTION OR BLANK FLANGE ARE IN PLACE AND PROPERLY TIGHTENED. MULTI COMPARTMENT VEHICLE DRAINS UNCAPPED OR UNPLUGGED, INSPECT FOR EVIDENCE OF LEAKAGE FROM DRAINS OR VOIDS. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | ENSURE MAJOR APPURTENANCES, ATTACHMENTS, CONNECTING STRUCTURES AND THE PORTION OF THE UPPER COUPLER ASSEMBLY (WITHOUT) DISMANTLING ARE NOT DAMAGED OR CORRODED AS TO AFFECT THE SAFE OPERATION OF THE VEHICLE. INSPECT THE REAR END PROTECTION, MINIMUM HEIGHT, INSPECT DAMAGE PROTECTION FOR PIPING AND VALVES, TANK TRAILERS IN CORROSIVE SERVICE REQUIRE U/C INSP EVERY 2 YEARS (TABLE 7.3) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | ENSURE THAT HOSE ASSEMBLIES MOUNTED ON OR ACCOMPANYING THE TANK DO NOT DISPLAY ANY DEFECTS AND WERE APPLICABLE INDICATE THEY WERE PRESSURE TESTED WITHIN THE PRESCRIBED PERIOD. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | CORRODED OR ABRADED AREAS OF THE TANK SHALL BE THICKNESS TESTED SEE (T) THICKNESS TESTING REPORT. UNLINED TANKS IN CORROSIVE SERVICE SHALL BE THICKNESS TESTED EVERY 2 YEARS (TABLE 7.3) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | INSPECT RECLOSING PRESSURE RELIEF VALVES FOR CORROSION OR DAMAGE, TANKS THAT CARRY CORROSIVE LADING NEED THEIR PRESSURE RELIEF VALVES EITHER REPLACED OR TESTED IN ACCORDANCE WITH CLAUSE 7.2.1.4 & 7.2.7.6 | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | ADDITIONAL REJECTION CRITERIA- LESS THAN THE MINIMUM THICKNESS REMAINING UNDER A CUT, DIG OR GOUGE. ANY DENT WITH A DEPTH OF MORE THAN 12.7MM WHERE IT INCLUDES A WELD. ANY DENT WITH A DEPTH GREATER THAN 10% OF THE LENGTH OF THE DENT. ANY WELD DEFECT, CRACK, PINHOLE, OR INCOMPLETE FUSION OF WELD. ANY STRUCTURAL DEFECT, ANY SOURCE OF LEAKAGE. REPAIRS MADE TO THE LIQUID RETAINING COMPONENTS USING AN OVERLAY PATCH. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| EXTERNAL VISUAL INSPECTION COMPLETED AS PER THE B620 STANDARD & EVOLUTION SAFE WORK PROCEDURE ALL ITEMS COMPLY, PERFORM ADDITIONAL TESTS AND INSPECTIONS AS REQUIRED. | | COMPLY <input checked="" type="checkbox"/> | |
| INSPECTOR NAME & SIGNATURE. Phillip Campos <i>Phillip Campos</i> | | INSPECTION DATE. . 30-Mar-23 | |
| N/A | 7.2.5 (K) LEAKAGE TEST N/A <input type="checkbox"/> | COMPLY | REPAIR |
| <input type="checkbox"/> | ENSURE THAT ALL VENTING DEVICES SET TO RELIEVE AT LESS THAN THE TEST PRESSURE ARE REMOVED OR RENDERED INOPERATIVE. UPON COMPLETION OF TEST ALL VENTING DEVICES HAVE BEEN PUT BACK INTO OPERATION. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | THE TEST PRESSURE SHALL NOT BE LESS THAN 80% OF THE TANK DESIGN PRESSURE OR MAWP, WHICHEVER IS LESS AND MARKED ON THE CERTIFICATION PLATE. TC331 TANKS NOT LESS THAN 60 PSI | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | WATER OR AIR SHALL BE USED AS THE TEST MEDIUM, WITH PNEUMATIC TESTING SOAP AND WATER SHALL BE USED TO DETECT FOR LEAKS, LADING CAN BE USED FOR TC 331 MIN 60 PSI | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | PRODUCT PIPING WITH ALL VALVES AND ACCESSORIES ARE IN PLACE AND OPERATIVE, EACH VALVE AND CLOSURE SHALL BE TESTED IN SEQUENCE WITH THE TANK AT NORMAL OPERATING CONDITION. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| LEAKAGE TEST COMPLETED AS PER THE B620 STANDARD & EVOLUTION SAFE WORK PROCEDURE ALL ITEMS COMPLY, PERFORM ADDITIONAL TESTS AS REQUIRED. | | COMPLY <input checked="" type="checkbox"/> | |
| TESTER NAME & SIGNATURE. Phillip Campos <i>Phillip Campos</i> | | TEST PRESSURE. 24 psi | HOLDING TIME. 15 min |
| | | TEST DATE. . 30-Mar-23 | |

Tanks - CF3935

Trailer # 56

Authoring Information

Created By Colby Dick
403-323-0381

TC Registration 25-1363 (Expires: 2025-07-01) ←

Facility Alpha Tank Inspection Ltd.
403-323-0381
38478 Range Rd. 19-1
Stettler, AB
T0C 2L0

Created 2021-03-23 11:05:26

Updated 2021-03-23 11:05:26

Tank Data

| | |
|----------------------|-------------------|
| Ser. No. | CF3935 |
| Unit Number | 56 |
| TC Spec. | TC/DOT 407 |
| Service Type | Corrosive Service |
| Date of mfr. | 2007-10-05 |
| Cert. date | 2007-10-18 |
| VIN | 2L9TC43128D079521 |
| Tank mfr. | LAZER INOX INC |
| Assembler | LAZER INOX INC |
| TCRN or CRN | D3481.62 |
| MDIN | PV22KPP-2 |
| CTMV Orig. Test Date | 2007-10-05 |
| CTMV Cert Date | 2007-10-18 |
| MAWP | 172 Kpa |
| Test P. | 275 Kpa |
| Mfd. head thick | 4.64 mm |
| Min. head thick | 3.38 mm |
| Mfd. shell thick | 3.33 mm |
| Min. shell thick | 3.28 mm |
| Exposed Surface | 49.60 m2 |
| Cap. | 22000 litres |
| Lining | N/A |
| Original Test Date | 2007-10-08 |

Service provided by eStandard Solutions.