



April 13, 2022

Southern Pressure Testers Ltd.
5667 Kings Avenue
Box 26
Gull Lake, SK S0N 1A0

Attention: Service Manager

**Re: Mast Unit Inspection
Certificate Due Date: March 29, 2023**

Our File: 22-SR1339-1

Visual and magnetic particle inspections were performed on a 50,000 lb capacity wireless mast unit. The mast unit is described as a SS Rig & Equipment, Model No. S4-50, Serial No. 12-0098, Unit No. 34, Odometer Reading 476,236 km. owned by Southern Pressure Testers Ltd.

The inspection applied to all accessible areas of the structure. The specific components inspected were as follows:

1. Stabilizers - no indications detected.
2. Carrier Frame - no indications detected.
3. Upper Structure - no indications detected.
4. Winch Connections - no indications detected.
5. Mast Section - three worn areas.
6. Load Line - normal wear.
7. Auxiliary Load Line - normal wear.

Comment:

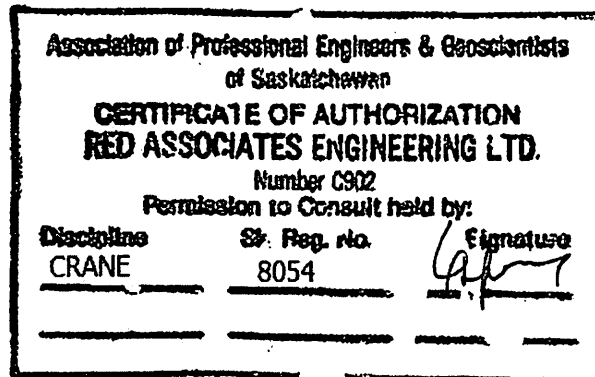
JC's Welding personnel performed the repairs. The worn areas were weld filled with CSA E55018-C3 (AWS E8018-C3) electrodes and SMAW using the stringer bead process in accordance with our weld procedure RP-02. Final inspection of the repairs revealed no further indications.

This structural inspection was performed on the equipment in the assembled condition. This certification is contingent on all previous structural repairs or modifications being performed in accordance with the original equipment manufacturers specifications or certification by a professional engineer.

Mast Unit Inspection Ref/No. 22-SR1339-1

Based on the results of the inspection, this equipment is considered to be safe for use. In addition to this structural inspection, all applicable original equipment manufacturers specifications, CSA codes and OH&S regulations are to be followed. Any incident, deviation of normal operation or unauthorized structural repairs subsequent to this inspection will void the certification.

UNRAU TECHNOLOGIES Ltd.
Logan Lenton
C.G.S.B. Level II M.T.
CWB Level I Visual



The above information was reviewed by:
L. Nguy, P. Eng.
Per: RED ASSOCIATES ENGINEERING LTD.
LN/lm/st



UNIT 3 T

CSA B620 CHECKLIST/INSPECTION & TEST REPORT

CSA B620 TANK TESTING FORMS

Skky Industrial Inc.
Bay #2
2200 South Highway Dr St
Redeliff, AB T0J 2P0
Phone: 403-866-4074
Transport Canada IC 25-1155

TESTS PERFORMED: "V" "T" "K" "P" "F" "UC" "L" "WF"

Job Order No. 20251352 Owner's Unit Number #34
 Owner's Name: Southern Pressure Tester's Ltd
 Owner's Address: Box 26 Gull Lake, Saskatchewan
 Owner's Address: S0N 1A0 Owner's Telephone: 1-866-533-1333
 Original Tank Manufacturer: INNOCAR TANK
 Original Tank Assembler: INNOCAR TANK

expire Sept. 11/26

VIN: _____
 Type of Special Service if applicable (dedicated service, corrosive service, etc.) N/A

Tank Specification	<u>406</u>	Tank Serial Number	<u>11073.2</u>	MAWP	<u>3 PSI</u>
Design Pressure	<u>N/A</u>	Test Pressure	<u>5 PSI</u>	Retest Pressure	<u>N/A</u>
Shell Matl Spec	<u>5454-H32</u>	Head Matl Spec	<u>5454-0</u>	Weld Matl	<u>ER5356</u>
Mfd. Shell Thk.	<u>6.35 MM</u>	Mfd. Head Thk.	<u>6.35 MM</u>	Exposed Surface Area	<u>23 SQ. M</u>
Min. Shell Thk.	<u>4.06 MM</u>	Min. Head Thk.	<u>4.75 MM</u>	Max Payload	<u>8000 KG</u>
Capacity	<u>8,000 LITRES</u>	Max Load Rate	<u>1700 L MIN</u>	Max. Unload. Rate	<u>1000 L MIN</u>
Heating Sys Press.	<u>N/A</u>	Heating Sys Temp.	<u>N/A</u>	Max. Lading Density	<u>1 KG/L</u>
Lining Matl	<u>N/A</u>	Insulated?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Design Temp. Range	<u>-40°C to +66°C</u>
TCRN	<u>MF222P</u>	MDIN	<u>MF222P</u>	NB Number	<u>N/A</u>
Manufacture Date	<u>September 2012</u>	Original Test Date	<u>September 2012</u>	Original Certification Date	<u>September 2012</u>

FIELDS BELOW PERTAIN TO TC331, MC330, MC 331, TC51, CTC51, DOT51

MDMI Yes No N/A
 MAWP (External) _____
 QI Marked? Yes No
 HI Marked? Yes No
 NQT Marked? Yes No
 PHI Marked? Yes No

Record All Other ASME Nameplate or ASME Tank Markings not already recorded

Were repairs performed: Yes No N/A
 Describe Repairs _____

Was Stress Relief Performed After Repair? Yes No N/A
 Was the Stress Relief Complete or Local? Complete Local N/A

Form A27
Dallas

CSA B620 CHECKLIST/INSPECTION & TEST REPORT

EXTERNAL VISUAL INSPECTION

Item Inspected	Fail	Corrected	Pass	N/A	Defects: Location, Nature, Severity, Describe Nature of Repair
Inspect the metal identification plate for legibility and presence of tank original test date and original certification date. Inspect the existing inspection markings on the tank.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Inspect tank shell and heads and attachments for corroded and abraded areas, dents, distortions, defects in welds, signs of leakage. Note: Corroded or abraded areas shall be thickness tested.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Inspect piping, condition of valves, gaskets, check for signs of leakage.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Ensure devices for tightening manhole covers are operative and covers are leak tight.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Ensure proper functioning of all valves, vents, pressure relief devices, emergency devices including self-closing stop valves, excess flow valves, remote closure devices, ensure free of corrosion, distortion, leakage or any condition that would prevent normal operation.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Ensure all bolts, nuts are in place and tight when verified by hand.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Inspect all major appurtenances, attachments and connecting structures for damage, corrosion, cracks as to affect safe operation of the vehicle.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Upper Coupler: Without removing upper coupler assembly inspect coupler plate & knipin for corrosion, abrasion, damage, warpage, cracks.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Multi-compartment tanks: Inspect void drains for signs of leakage, ensure void drains are operable and unplugged or uncapped.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
On tanks transporting lading corrosive to the pressure relief device: All reclosing pressure relief devices shall be replaced or bench tested complete and attach Record of Pressure Relief Device (PRD) Inspection Test Replacement.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
LC-300 tanks, LC-300 Crane tanks, and LC-312 tanks with a test pressure of 241 kPa (35 psi) or less shall be equipped with a manhole assembly that is marked as being in compliance with §178.315-5 of 49 CFR.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
The internal self-closing stop valve and off-truck emergency shutdown system tested in accordance with the Off-Truck Emergency Shutdown Procedure and complete the Off-Truck Emergency Shutdown form separately and attach the form in the work package with this form.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
For nurse tanks, the emergency discharge control system function tested, and the remotely activated valve tested for leakage through the valve.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Visual inspection of hose assemblies mounted on or accompanying the tank for damage to the hose cover that exposes the reinforcement, kinked, flattened, or permanently deformed wire braid, soft spots when not under pressure, bulging under pressure, or loose outer covering, damaged stitching, or excessively worn hose couplings; loose or missing bolts or fastenings on bolted hose coupling assemblies; and deteriorated legibility or absence of the serial or identification number and HAWP legible markings of last pressure test and inspection indicating that hose been pressure tested and inspected annually. Note: If hose assemblies are pressure tested in-house, then additionally complete Hose Inspection & Test Form.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Tank markings were applied as per CSA B620.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Tank Disposition: Pass Return to Service Fail Remove from Service No defects or damage were discovered during this inspection

KYLE REISCH

Name of Tank Inspector

Signature of Tank Inspector

Date of External Visual Inspection: Day 11 Month SEPT Year 2025

This External Visual Inspection is conducted in accordance with and meets the requirements of CSA B620.

CSA B620 CHECKLIST/INSPECTION & TEST REPORT

LEAK TEST

Item Inspected	Pass	Corrected	Fail	Describe Location, Nature, Severity, Defects: Nature of Repair
<p>I tested that tank closures, piping, valves and gaskets are in good condition and do not leak within the piping or to the exterior. A cutting device set to relieve at less than the test pressure were removed or rendered inoperative during the test. Piping and all associated valves and accessories were in place and operative. Leak test solution was as required in CSA B620. Leak test solution was used to locate leaks when air or gas used as the test medium.</p> <p>Precautions were taken to prevent over pressurization of the tank.</p> <p>Test Pressure: 3 PSI</p> <p>Test Medium: WATER</p> <p>Test Hold Time: 5 MINUTES</p> <p>Type of Leak Test Solution: Gas Monitor</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>All tanks, piping and accessories maintained the leak test pressure for at least 5 minutes when isolated from the pressure source.</p> <p>All valves and closures were tested in sequence. Discharge Valve leakage past discharge valve. All tanks, piping and accessories maintained the leak test pressure for at least 5 minutes when isolated from the pressure source.</p> <p>All valves and closures were tested in sequence. Tank valve. Insured tank valve was closed, opened discharge valve and inspected for leakage past tank valve. All tanks, piping and accessories maintained the leak test pressure for at least 5 minutes when isolated from the pressure source.</p> <p>For tanks with internal or external self-closing valves. Inspected valve operators. Cycled and tested the valve closure using the remote valve operator. All tanks, piping and accessories maintained the leak test pressure for at least 5 minutes when isolated from the pressure source.</p> <p>For the case of a 11" 400 that is double walled or constructed for secondary containment a 2 PSI pressure differential on the secondary containment space was maintained for at least 10 minutes when isolated from the pressure source.</p> <p>All tanks, piping and accessories maintained the leak test pressure for at least 5 minutes when isolated from the pressure source.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>Tank markings were applied as per CSA B620</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Tank Disposition: Pass Return to Service Fail Remove from Service No defects or damage were discovered during this inspection

RYAN R. SCOTT

Name of Leak Tester

Date of Leak Test

Day 11

Month SE-PT Year 2025

Signature of Leak Tester

This Leak test is conducted in accordance with and meets the requirements of CSA B620.