

JP7-1
SEP

EXTERNAL VISUAL INSPECTION CHECKLIST/INSPECTION REPORT

Job Order No PM350526 Unit Number 2306

Owner: FEDERATED CO-OPERATIVES LTD.
PO BOX 280 STN MAIN
REGINA, SK S4P 3A1

Federated Cooperatives Ltd
2107 E Turvey Road
Regina SK S4N3W1
Phone: 306-721-0427
TC 25-0603

Original Tank Manufacturer Advance Engineered Products

Original Tank Assembler

VIN 2AEABSAH7ER000188

Type of Special Service If applicable (dedicated service, corrosive service, etc.)

Tank Spec	<u>TC 406</u>	Tank Serial Number	<u>2AEABSAH7ER000188</u>	MAWP	<u>22.7 KPA</u>
Design Pressure	<u></u>	Min Shell Thk	<u>4.39</u>	Min Head Thk	<u>5.97</u>
TCRN	<u></u>	Original Cert Date	<u>Dec 2013</u>	Lining Matl	<u></u>
Insulated?	<u></u>	MDIN	<u>10320</u>	Weld Mtl	<u>5356</u>

Item Inspected	Fail	Corr- ected	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.			/		
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.			/		
Inspect piping, condition of valves, gaskets, check for signs of leakage.			/		
Ensure devices for tightening manhole covers are operative and covers are leaktight.			/		
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.			/		
Ensure all bolts, nuts are in place and tight when verified by hand.			/		
Inspect all major appurtenances, attachments and connecting structures for damage, corrosion, cracks as to affect safe operation of the vehicle.			/		
Upper Coupler: Without removing upper coupler assembly inspect coupler plate & kingpin for corrosion, abrasion, damage, warpage, cracks.			/		
Multi compartment tanks: Inspect void drains for signs of leakage, ensure void drains are operable and unplugged or uncapped.			/		
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 Record of Pressure Relief Device (PRD) Inspection/Test/Replacement.				/	
TC 308 tanks, TC 308 Crude tanks, and TC 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 compliant with §178.345-5 of 49 CFR				/	
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.			/		
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, slipping, 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 MAWP; 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.			/		
Tank markings were applied as per CSA B620.			/		

Tank Disposition: ☐ Defects corrected and reinspected

☒ Return to Service

☐ Remove From Service

Name of Tank Inspector

Signature of Tank Inspector

Date of External Visual Inspection

Day 28

Month 11

Year

2025

FORM #A11

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

LEAK TEST INSPECTION CHECKLIST/INSPECTION REPORT

Job Order No PM350526 Unit Number 2306
 Owner: FEDERATED CO-OPERATIVES LTD.
PO BOX 260 STN MAIN
REGINA, SK S4P 3A1
0

Federated Cooperatives Ltd
 2107 E Turvey Road
 Regina SK S4N3W1
 Phone: 306-721-0427
 TC 25-0603

Original Tank Manufacturer Advance Engineered Products
 Original Tank Assembler
 VIN 2AEABSAH7ER000188
 Type of Special Service if applicable (dedicated service, corrosive service, etc.)

Tank Spec	<u>TC 406</u>	Tank Serial Number	<u>2AEABSAH7ER000188</u>	MAWP	<u>22.7 KPA</u>
Design Pressure	<u></u>	Min Shell Thk	<u>4.39</u>	Min Head Thk	<u>5.97</u>
TCRN	<u></u>	Original Cert Date	<u>Dec 2013</u>	Lining Matl	<u></u>
Insulated?	<u></u>	MDIN	<u>10320</u>	Weld Mtl	<u>5356</u>

Item Inspected	Fail	Corr-ected	Pass	N/A	Defects: Location, Nature, Severity, Describe Nature of Repair
Ensured that tank closures, piping, valves and gaskets are in good condition and do not leak within the piping or to the exterior. Venting devices 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 pressure was as required in CSA B620. Leak test solution was used to locate leaks when air or gas used as the test medium.					Replace #1 & 2 Sensor gasket Replace #3 drop adaptor
Precautions were taken to prevent over pressurization of the tank.					
Test Pressure: <u>2.63 PSI</u>					
Test Medium: <u>Air</u>					
Test Hold Time: <u>5 min</u>					
Type of Leak Test Solution Used: <u>Soury Water</u>					
All tanks, piping and accessories maintained the leak test pressure for at least 5 minutes when isolated from the pressure source.					
All valves and closures were tested in sequence. Discharge Valve: Ensured discharge was closed, opened tank valve and inspected for 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.					
All valves and closures were tested in sequence. Tank valve: Ensured 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.					
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.					
For the case of a TC 408 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.					
All tanks, piping and accessories maintained the leak test pressure for at least 5 minutes when isolated from the pressure source.					
Tank markings were applied as per CSA B620.					

Tank Disposition: ☐ Defects corrected and reinspected

☒ Return to Service

☐ Remove From Service

Name of Tank Inspector

Signature of Tank Inspector

Date of External Visual Inspection Day 28 Month 11 Year 2025

FORM #A13

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