

EXTERNAL VISUAL INSPECTION CHECKLIST/INSPECTION REPORT

Job Order No	PM349426	Unit Number	2643
Owner:	FEDERATED CO-OPERATIVES LTD.		
	PO BOX 260 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	<i>Advance</i>		
VIN	2AEABSAH08R000280		
Type of Special Service If applicable (dedicated service, corrosive service, etc.)			
Tank Spec	TC 406	Tank Serial Number	2AEABSAH08R000280
Design Pressure	—	Min Shell Thk	.173
TCRN	—	Original Cert Date	June 2008
Insulated?	NO	MDIN	
		MAMP	3.3 kPa
		Min Head Thk	.235
		Lining Matl	—
		Weld Mtl	5554

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.			✓		<i>Cross over pipe leaking, at check valve and front butterfly valve. weld on rear crossover cracked retested and is good</i>
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 306 tanks, TC 306 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 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.			✓		<i>No hoses in unit</i>
Tank markings were applied as per CSA B620.			✓		

Tank Disposition: ☐ Defects corrected and reinspected☒ Return to Service☐ Remove From Service*Sheldon BA7*
Name of Tank Inspector*[Signature]*
Signature of Tank InspectorDate of External Visual Inspection Day 20 Month 07 Year 2016

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: PM349426 Unit Number: 2643
 Owner Name: FEDERATED CO-OPERATIVES LTD.
 Address: PO BOX 260 STN MAIN
REGINA, SK S4P 3A1 -
 Phone Number: 306-721-7070

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: 2AEABSAH08R000280

Type of Special Service If applicable (transports material corrosive to the tank, dedicated service, etc.)

Tank Spec	<u>TC 406</u>	Tank Serial Number	<u>2AEABSAH08R000280</u>	Confirm Tank MAWP	<u>3.3 PSIG</u>
Design Pressure	<u>—</u>	Min Shell Thickness	<u>.173</u>	Min Head Thickness	<u>.235</u>
TCRN	<u>—</u>	Original Cert Date	<u>JUNE 2008</u>	Lining Material	<u>—</u>
Tank Lined or Insulated or Both?		MDIN	<u>—</u>	Weld Material	<u>5554</u>
Lined? ☐	Insulated? ☐	Both? ☐			

Item(s) Inspected	Fail	Corrected	Pass	N/A	* Description of 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. Precautions were taken to prevent over pressurization of the tank. Test Pressure: <u>3 psi</u> Test Medium: <u>Air</u> Test Hold Time: <u>5 min</u> Type of Leak Test Solution Used: <u>Water + Soap</u> All tanks, piping and accessories maintained the leak test pressure for at least 5 minutes when isolated from the pressure source.					# 1 API Leaking Replace API,
TC 406 Test at no less than 80% of the MAWP (Always confirm the metal ID plate first) If the MAWP is 3.75 psi (25.8 kPa) or lower → Test at 3 psi. If the MAWP is 3.76 psi (25.9 kPa) or higher → Calculate 0.80 × MAWP.					TC 306 Test at no less than 80% of the Design Pressure (Always confirm the metal ID plate first) If the Design Pressure is 3.75 psi (25.8 kPa) or lower → Test at 3 psi. If the Design Pressure is 3.76 psi (25.9 kPa) or higher → Calculate 0.80 × Design Pressure.
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.					
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

☐ Further Tests and/or Inspections Required Before Tank Disposition is Determined

Sheldon BAY
 Name of Tank Tester/Inspector

[Signature]
 Signature of Tank Tester/Inspector

Date of External Visual Inspection Day 20 Month 07 Year 2026

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

FORM #A13

EXTERNAL VISUAL INSPECTION CHECKLIST/INSPECTION REPORT

JP7-5-PWP
SEP

Job Order No PM349431 Unit Number 2644

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 Advance

VIN 2AEARPAE78R000283

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

Tank Spec TC1106 Tank Serial Number 2AEARPAE78R000283 MAWP 3.3951

Design Pressure Min Shell Thk 0.173 Min Head Thk 0.235

TCRN Original Cert Date June 2008 Lining Matl

Insulated? MDIN Weld Mtl 5554

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 306 tanks, TC 306 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 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.					
Tank markings were applied as per CSA B620.			✓		

No hoses on unit

Tank Disposition: ☐ Defects corrected and reinspected ☒ Return to Service ☐ Remove From Service

Bob Spencer
 Name of Tank Inspector

Bob Spencer
 Signature of Tank Inspector

Date of External Visual Inspection Day 20 Month 07 Year 2020

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

FORM #A11

LEAK TEST INSPECTION CHECKLIST/INSPECTION REPORT

Job Order No: PM349431 Unit Number: 2644
 Owner Name: FEDERATED CO-OPERATIVES LTD.
 Address: PO BOX 260 STN MAIN
REGINA, SK S4P 3A1 -
 Phone Number: 306-721-7070

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: Advance
 VIN: 2AEARPAE78R000283

Type of Special Service If applicable (transports material corrosive to the tank, dedicated service, etc.)

Tank Spec: TC406 Tank Serial Number: 2AEARPAE78R000283
 Design Pressure: 0.173 Min Shell Thickness: 0.173
 TCRN: June 2008 Original Cert Date: June 2008
 Tank Lined or Insulated or Both? MDIN: MDIN
 Lined? ☐ Insulated? ☐ Both? ☐

Confirm Tank MAWP: 3.3 psi
 Min Head Thickness: 0.235
 Lining Material: 5554
 Weld Material: 5554

Item(s) Inspected	Fail	Corrected	Pass	N/A	Description of 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. Precautions were taken to prevent over pressurization of the tank. Test Pressure: <u>3.0 psi</u> Test Medium: <u>Air</u> Test Hold Time: <u>5 min</u> Type of Leak Test Solution Used: <u>Soap/Water</u> All tanks, piping and accessories maintained the leak test pressure for at least 5 minutes when isolated from the pressure source.					# 2 Api not sealing replace O ring seal
TC 406 Test at no less than 80% of the MAWP (Always confirm the metal ID plate first) If the MAWP is 3.75 psi (25.8 kPa) or lower → Test at 3 psi. If the MAWP is 3.76 psi (25.9 kPa) or higher → Calculate 0.80 × MAWP.					TC 306 Test at no less than 80% of the Design Pressure (Always confirm the metal ID plate first) If the Design Pressure is 3.75 psi (25.8 kPa) or lower → Test at 3 psi. If the Design Pressure is 3.76 psi (25.9 kPa) or higher → Calculate 0.80 × Design Pressure.
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.			✓		
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

☐ Further Tests and/or Inspections Required Before Tank Disposition is Determined

Rob Spencer
 Name of Tank Tester/Inspector

Rob Spencer
 Signature of Tank Tester/Inspector

Date of External Visual Inspection Day 17 Month 07 Year 2026

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

FORM #A13