

G516-1


ADVANCE
TANK CENTRES LTD.

EXTERNAL VISUAL INSPECTION

New Tank ☐	In-service Tank ☒	Corrosive? ☐	Service Type	10498 - 17 Street N.W. Edmonton, AB T6P 1V8 Phone: 780-467-8891 Fax: 780-467-0950 Transport Canada 25-1177 US DOT CT 3886 ASME 33537 National Board R-2667	
Tank Specification TC406		Container inspected to original code of construction and intended lading provisions			
Job Order #	ATC6664570001	MDIN	10282	Weld Mtl.	5356
Tank Serial #	2AEATNA01ER000115				
MAWP	22.7	kPa	Cert Date	2014/02/01	MFG Date
2013/12/01		VIN		3ALPG3DV2DDFB5504	
Min. Head Thick	5.16	mm	Min. Shell Thick	4.39	mm
Insulated ☐		Lined ☐			
Assembler	Advance Tank Production Ltd., Regina		Orig. Tank Mfr.	Advance Tank Production Ltd., Regina	
Owner Name	North Corridor Co-operative		Owner Equip. #	83	
Owner Address	Box 160, Thorhild AB T0A 3J0				
Ph #	780-398-3975	Email	alison.scoville@northcorridor.ca		Design Press.
				kPa	
For any ASME certified tanks such as MC330, MC307, TC/MC331, TC/MC 338, TC/CGA341, TC350, TC/DOT 407, TC/DOT 412, TC51, DOT 51					
NB No.	ASME Code Symbol:		CRN	TCRN	QT ☐ NQT ☐
PWHT after Manufacture/ Type	☐		PWHT after Repair/ Type	☐	
RT					
Shell Material	5454-H32	Mfd. Shell Thickness	4.39	mm	Shell Length
				mm	Tank Capacity
Head Material	5454-O	Mfd. Head Thickness	5.16	mm	Head Diameter
				mm	23,500 L
Design Temp. Range	50	to	-40	MDMT	to
				at	to
				Max Payload	KG
Max Load Rate	2,800	LPM	Exposed Surface Area	8.2	M2
				NB	Max Density Lading
				.9	Kg/L
Max Unload Rate	2,000	LPM	Heating Sys. Press.	kPa	Heating Sys. Temp.
				C	
Add additional ASME markings below					
Item Inspected	Pass	Fail	Corrected, Rejected and Failed	N/A	Defects: Location, 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	☒	☐	☐	☐	
"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.	☒	☐	☐	☐	

EXTERNAL VISUAL INSPECTION

New Tank	☐	In-service Tank	☒	Corrosive?	☐	Service Type		10498 - 17 Street N.W.
Job Order #	ATC6664570001		Tank Spec	TC406		Tank Serial #	2AEATNA01ER000115	
MAWP	22.7	kPa	Cert Date	2014/02/01	MFG Date	2013/12/01	VIN	3ALPG3DV2DDFB5504
Owner Equip. #	83	Insulated	☐	Lined	☐			
Owner Name	North Corridor Co-operative		Orig. Tank Mfr.	Advance Tank Production Ltd., Regina				
Owner Address	Box 160, Thorhild AB T0A 3J0					Ph #	780-398-3975	
Container inspected to original code of construction and intended lading provisions						Email	alison.scoville@northcorridor.crs	
For any ASME certified tanks such as MC330, MC307, TC/MC331, TC/MC 338, TC/CGA341, TC350, TC/DOT 407, TC/DOT 412, TC51, DOT 51								
NB No.		ASME Code Symbol:	CRN	TCRN	QT	☐	NQT	☐
PWHT after Manufacture/ Type	☐	PWHT after Repair/ Type	☐	RT				
Shell Material	5454-H32	Min Shell Thickness	4.39	mm	Shell Length	mm	Tank Capacity	
Head Material	5454-O	Min Head Thickness	5.16	mm	Head Diameter	mm	23,500	L

Item Inspected	Pass	Fail	Corrected, Retested and Passed	N/A	Defects: Location, Nature of Repair
On tanks transporting lading corrosive to the pressure relief device: All reclosing pressure relief devices shall be replaced or bench tested	☐	☐	☐	☒	
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	☒	☐	☐	☐	
For nurse tanks, the emergency discharge control system function tested, and remotely activated valve tested for leakage through the valve.	☒	☐	☐	☐	
Visual Inspection of hose assemblies mounted on or accompanying the tank for damage to the hose cover for damage 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 has been pressure	☒	☐	☐	☐	

Tank Disposition: Pass - Return to Service ☒ Fail - Remove from Service ☐

Sherwin Sugay

Name of Tank Inspector/Registered Inspector

Date of Tank Inspection 2024/11/22

Signature of Tank Inspector/Registered Inspector

Tank Marking: Month, Year and Inspection Symbol (V) applied after all defects corrected and re-inspected ☒ Not Marked ☐

This Inspection was conducted in accordance with and meets the requirements of CSA B620 ☒

This Inspection was conducted in accordance with and meets the requirements of CFR 49 Part 180 ☐

Owner or Owners Representative

Signature

(Applicable to CFR49 Part 180)

LEAK TEST



ADVANCE
TANK CENTRES LTD.

New Tank	☐	In-service Tank	☒	Service Type	
Job #	ATC664570001	Tank Spec	TC406	Tank Serial #	2AETNA01ER000115
MAWP	22.7	kPa	Cert Date	2014/02/01	MFG Date
	83			2013/12/01	VIN
Owner Equip. #	83	Insulated	☐	Lined	☐
Owner Name	North Corridor Co-operative		Orig. Tank Mfr.	Advance Tank Production Ltd.,	
Owner Address	Box 160, Thorhild AB T0A 3J0		Ph #	780-398-3975	
Test Pressure	20.7	kPa	Test Medium	WATER/AIR	
Hold Time(min)	10		Email	alison.scoville@northcorridor.crs	
For any ASME certified tanks such as MC330, MC307, TC/MC331, TC/MC338, TC/CGA341, TC350, TC/DOT407, TC/DOT412, TC51, DOT51					
NB No.		ASME Code Symbol	CRN	TCRN	
PWHT after Manufacture/Type	☐	PWHT after Repair/Type	☐	QT	☐ NQT ☐
Shell Material	5454-H32	MIn Shell Thickness	4.39	mm	Shell Length
Head Material	5454-O	MIn Head Thickness	5.16	mm	Head Diameter
				mm	Tank Capacity
					23,500 L

Item Inspected	Pass	Fail	Corrected, Re-tested and Passed	NA	Defects: Location Nature, Nature of Repair
Ensure tank closures, piping, valves and gaskets are in good condition and do not leak within the piping or to the exterior.	☒	☐	☐	☐	
Ensure venting devices set to relieve less than the test pressure shall be removed or rendered Inoperative and ensure there is a means to prevent over pressurization of the tank.	☒	☐	☐	☐	
Ensure piping and all associated valves and accessories are in place, operative and tested in sequence.	☒	☐	☐	☐	
Ensure emergency shutdown system is operative and closes within 30 seconds and is clearly marked as emergency shutdown.	☒	☐	☐	☐	
Check for leakage into secondary compartment of TC 406 double wall tank. Applicable when data plate states "double walled" or "Secondary containment".	☐	☐	☐	☒	

In Conjunction with the Leak Test: A full External Visual Inspection may be performed. Complete forms QA1 ☒ N/A ☐ (Repair Only)

Tank Disposition: Pass Return to Service ☒

Fail Remove from Service ☐

Sherwin Sugay
Name of Tank Tester/Registered Inspector

Date of Leak Test 2024/11/22

SS
Signature of Tank Tester/Registered Inspector

Tank Marking: Month, Year and Test Symbol (K) applied after all defects corrected re-inspected and re-tested ☒

Tank Not Marked: Inspection and Test performed on defective area only, re-inspected and re-tested to verify repairs ☐

This Leak Test was conducted in accordance with and meets the requirements of CSA B620 ☒

This Leak Test was conducted in accordance with and meets the requirements of 49 CFR Part 180 ☐

Owner or Owners Representative

Owner or Owners Representative Signature

(Applicable to 49 CFR Part 180)

ANNUAL HOSE ASSEMBLY INSPECTION AND TESTING



ADVANCE
TANK CENTRES LTD.

New Hose	☐	In-service Hose	☒	Service Type	
Job #	ATC6664570001		Hose Assembly ID or Serial Number	666457A	
HAWP	2,068	kPa	Hose Test Pressure	2,482	kPa
Owner Name	North Corridor Co-operative		Hose Diameter	31.75	mm
Owner Address	Box 160, Thorhild AB T0A 3J0		Phone #	780-398-3975	
Owner Equip. #	83		Email	alison.scoville@northcorridor.co	
A hose assembly that does not pass this inspection and test will not accompany a spec cargo tank					

10498 - 17 Street N.W.
Edmonton, AB T6P 1V8
Phone: 780-467-8891
Fax: 780-467-0950
Transport Canada 25-1177
US DOT CT 3886
ASME 33537
National Board R-2667

Item Inspected/Tested	Pass	Fail	Corrected, Retested and Passed	N/A	Defects: Nature & Location
ANNUAL VISUAL INSPECTION 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	☒	☐	☐	☐	
Damaged, slipping or excessively worn hose coupling	☒	☐	☐	☐	
Loose or missing bolts or fastenings or bolted hose coupling assemblies	☒	☐	☐	☐	
Deteriorated legibility or absence of the serial number or identification number and hose assembly working pressure (HAWP)	☒	☐	☐	☐	
ANNUAL PRESSURE TEST					
a) To pass the pressure test, hose assembly shall hold pressure without bulging distortion or leaks for at least 5 minutes when isolated from the pressure supply.	☒	☐	☐	☐	
b) The test pressure shall be the greater of 120% of the marked HAWP of the hose assembly and 518 kPa (75 psig) except that					
i) for CSA-certified hose assemblies, it shall be not less than 1552 kPa (350 psig); and					
ii) for gravity off-load hose assemblies (drop hoses), Vapour Recovery hose assemblies and Vacuum hose assemblies (marked Vacuum Only) they shall be not less than 69 kPa (10 psig).					
c) For hose assemblies that are not CSA-certified hose assemblies, the following shall not be used to pressurize the hose assembly:					
i) compressed gas;					
ii) compressed air;					
iii) flammable liquid; or corrosive liquid.					
d) The requirements of c) do not apply to an aviation refueling hose that is tested in accordance with CAN/CSA-B836 and hose assemblies used in refrigeration liquefied gas service that are manufactured in conformance with CSA B51 or ASME B31.3, marked and documented					
ELECTRICAL CONTINUITY					
When requested by the user, electrical continuity between hose assembly fittings shall be tested to ensure complete continuity of ground throughout hose assembly using an Ohm meter	☒	☐	☐	☐	

Disposition: Pass - Return to Service ☒ Fail - Remove from Service ☐

Sherwin Sugay

Tester Name

Tester Signature

Date of Inspection and Test 2024/11/22

Hose Assembly marked with the month and year of Inspection and Test, HAWP and ID Number ☒ Not Marked ☐

This Inspection and Test was conducted in accordance with and meets the requirements of CSA B620 ☒

This Inspection and Test was conducted in accordance with and meets the requirements of 49 CFR Part 180 ☐

ANNUAL HOSE ASSEMBLY INSPECTION AND TESTING



ADVANCE
TANK CENTRES LTD.

10498 - 17 Street N.W.
Edmonton, AB T6P 1V8

Phone: 780-467-8891

Fax: 780-467-0950

Transport Canada 25-1177

US DOT CT 3886

ASME 33537

National Board P-2667

New Hose	☐	In-service Hose	☒	Service Type	
Job #	ATC6664570001		Hose Assembly ID or Serial Number	666457B	
HAWP	2,068	kPa	Hose Test Pressure	2,482	kPa
Owner Name	North Corridor Co-operative		Hose Diameter	31.75	mm
Owner Address	Box 160, Thorhild AB T0A 3J0		Phone #	780-398-3975	
Owner Equip. #	83		Email	alison.scoville@northcorridor.c	

A hose assembly that does not pass this inspection and test will not accompany a spec cargo tank

Item Inspected/Tested

Pass

Fail

Corrected,
Retested
and Passed

N/A

Defects: Nature & Location

ANNUAL VISUAL INSPECTION 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	☒	☐	☐	☐
Damaged, slipping or excessively worn hose coupling	☒	☐	☐	☐
Loose or missing bolts or fastenings or bolted hose coupling assemblies	☒	☐	☐	☐
Deteriorated legibility or absence of the serial number or identification number and hose assembly working pressure (HAWP)	☒	☐	☐	☐

ANNUAL PRESSURE TEST

- To pass the pressure test, hose assembly shall hold pressure without bulging distortion or leaks for at least 5 minutes when isolated from the pressure supply.
- The test pressure shall be the greater of 120% of the marked HAWP of the hose assembly and 518 kPa (75 psig) except that
 - for CSA-certified hose assemblies, it shall be not less than 1552 kPa (350 psig); and
 - for gravity off-load hose assemblies (drop hoses), Vapour Recovery hose assemblies and Vacuum hose assemblies (marked Vacuum Only) they shall be not less than 69 kPa (10 psig).
- For hose assemblies that are not CSA-certified hose assemblies, the following shall not be used to pressurize the hose assembly:
 - compressed gas;
 - compressed air;
 - flammable liquid; or corrosive liquid.
- The requirements of c) do not apply to an aviation refueling hose that is tested in accordance with CAN/CSA-B336 and hose assemblies used in refrigeration liquefied gas service that are manufactured in conformance with CSA B51 or ASME B31.3, marked and documented

ELECTRICAL CONTINUITY

When requested by the user, electrical continuity between hose assembly fittings shall be tested to ensure complete continuity of ground throughout hose assembly using an Ohm meter

Disposition: Pass - Return to Service ☒ Fail - Remove from Service ☐

Sherwin Sugay

Tester Name

Date of Inspection and Test 2024/11/22

Tester Signature

Hose Assembly marked with the month and year of Inspection and Test, HAWP and ID Number ☒ Not Marked ☐

This Inspection and Test was conducted in accordance with and meets the requirements of CSA B620 ☒

This Inspection and Test was conducted in accordance with and meets the requirements of 49 CFR Part 180 ☐

ANNUAL HOSE ASSEMBLY INSPECTION AND TESTING



ADVANCE
TANK CENTRES LTD.

New Hose	☐	In-service Hose	☒	Service Type	
Job #	ATC6664570001				
HAWP	1,723	kPa	Hose Test Pressure	2,068	kPa
Owner Name	North Corridor Co-operative		Hose Assembly ID or Serial Number	666457C	
Owner Address	Box 160, Thorhild AB T0A 3J0		Hose Diameter	50.8	mm
Owner Equip. #	83		Phone #	780-398-3975	
A hose assembly that does not pass this inspection and test will not accompany a spec cargo tank			Email	alison.scoville@northcorridor.ca	
				10498 - 17 Street N.W. Edmonton, AB T6P 1V8 Phone: 780-467-8891 Fax: 780-467-0950 Transport Canada 25-1177 US DOT CT 3886 ASME 33537 National Board R-2667	

Item Inspected/Tested

Pass

Fail

Corrected,
Retested
and Passed

N/A

Defects: Nature & Location

ANNUAL VISUAL INSPECTION 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	☒	☐	☐	☐
Damaged, slipping or excessively worn hose coupling	☒	☐	☐	☐
Loose or missing bolts or fastenings or bolted hose coupling assemblies	☒	☐	☐	☐
Deteriorated legibility or absence of the serial number or identification number and hose assembly working pressure (HAWP)	☒	☐	☐	☐

ANNUAL PRESSURE TEST

- a) To pass the pressure test, hose assembly shall hold pressure without bulging distortion or leaks for at least 5 minutes when isolated from the pressure supply.
- b) The test pressure shall be the greater of 120% of the marked HAWP of the hose assembly and 518 kPa (75 psig) except that
- for CSA-certified hose assemblies, it shall be not less than 1552 kPa (350 psig); and
 - for gravity off-load hose assemblies (drop hoses), Vapour Recovery hose assemblies and Vacuum hose assemblies (marked Vacuum Only) they shall be not less than 69 kPa (10 psig).
- c) For hose assemblies that are not CSA-certified hose assemblies, the following shall not be used to pressurize the hose assembly:
- compressed gas;
 - compressed air;
 - flammable liquid; or corrosive liquid.
- d) The requirements of c) do not apply to an aviation refueling hose that is tested in accordance with CAN/CSA-B836 and hose assemblies used in refrigeration liquefied gas service that are manufactured in conformance with CSA B51 or ASME B31.3, marked and documented

ELECTRICAL CONTINUITY

When requested by the user, electrical continuity between hose assembly fittings shall be tested to ensure complete continuity of ground throughout hose assembly using an Ohm meter

Disposition: Pass - Return to Service ☒ Fail - Remove from Service ☐

Sherwin Sugay

Tester Name

Date of Inspection and Test 2024/11/22

Tester Signature

SS

Hose Assembly marked with the month and year of Inspection and Test, HAWP and ID Number ☒ Not Marked ☐

This Inspection and Test was conducted in accordance with and meets the requirements of CSA B620 ☒

This Inspection and Test was conducted in accordance with and meets the requirements of 49 CFR Part 180 ☐

REPAIR REPORT



ADVANCE
TANK CENTRES LTD.

New Tank ☐	In-service Tank ☒	Service Type	LPG ☐ NH3 ☐ Other ☐	10498 - 17 Street N.W.	
Job #	ATC6664570001	Tank Spec	TC406	Tank Serial #	2AEATNA01ER000115
MAWP	22.7 kPa	Cert Date	2014/02/01	MFG Date	2013/12/01
Owner Equip. #	83	Insulated	☐	Lined	☐
Owner Name	North Corridor Co-operative		Orig. Tank Mfr.	Advance Tank Production Ltd., Re	
Owner Address	Box 160, Thorhild		Ph #	780-398-3975	
Container repaired in accordance with original code of construction			Email	alison.scoville@northcorridor.crs	
For any ASME certified tanks such as MC330, MC307, TC/MC331, TC/MC338, TC/CGA341, TC350, TC/DOT407, TC/DOT412, TC51, DOT 51					
NB No.	ASME Code Symbol:	CRN	TCRN	QT ☐	NQT ☐
PWHT after Manufacture/Type	☐	PWHT after Repair/Type	☐	RT	
Shell Material	5454-H32	Min Shell Thickness	4.39 mm	Shell Length	mm
Head Material	5454-O	Min Head Thickness	5.16 mm	Head Diameter	mm
					Tank Capacity 23,500 L

Repair Details:

See Attached Report for extra details ☐

Welder Qualification Requirements if welding or grinding is performed on a lading retention component:

Welder Name	Welder Signature	Weld Process	Weld Procedure Used

In Conjunction with the above-mentioned repair:

a) A full External Visual and Internal Visual Inspection may be performed. Complete forms QA1 and QA3 ☒ N/A ☐ (Repair Only)

b) After any repairs that require welding or grinding on a MC 330, TC/MC 331, TC/DOT 51 or TC/DOT 60, a Wet Fluorescent Magnetic Particle Test must be performed after a Pressure Test. Complete Form QA10 ☐ N/A ☒

c) A full Pressure Test or Leak Test may be performed. Complete forms QA4 or QA4a and QA6 ☒ N/A ☐

d) Inspection and Testing performed on defective area only, re-inspected and re-tested to verify repairs ☐ N/A ☒

Test Medium WATER/AIR Pressure Test pressure 34.5 kPa Leak Test pressure 20.7 kPa

Tank Disposition: Pass Return to Service ☒

Fail Remove from Service ☐

Sherwin Sugay

Name of Tank Inspector/Registered Inspector

Signature of Tank Inspector/Registered Inspector

Date of Tank Pressure Test 2024/11/22

This Repair was conducted in accordance with and meets the requirements of CSA B620 ☒

This Repair was conducted in accordance with and meets the requirements of CFR 49 Part 180 ☐

Owner or Owners Representative

Owner or Owners Representative Signature

(Applicable to CFR49 Part 180)