TANK TESTING INSPECTION SHEET

330-1

Ted Beath Welding Ltd.
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TCRN/CRN#_____
REG NO. 25-323

Date: July 24, 2024 Decal Information: 07/2024 VKIPTUC 323

Owner of Tank: Sibley Transport Phone # (780) 728-6019
Address: 54206 RR170A Yellowhead County, Ab T7E 3V4 Unit # 010Q
Tank S/N 2AEAPSBL6DT000107 Tank Manufacturer Advance
Date Mfg: April 2013 Transport Canada Specification: 407
VIN # 2AEAPSBL6DT000107 Certification Date: April 2013 MDIN 23206
Assembler Advance
Work Required: 1) External Inspection ☑ 2) Internal Inspection ☑ 3) Lining Inspection ☐
4) Thickness Test ☑ 5) Leakage Test ☑ 6) Pressure Test ☑

1) *External Inspection = V*

Conditions that indicate weakness that might render the tank unsafe for transportation:

	YES	NO
a) Corroded Areas – if yes a thickness test required	☐	☑
c) Defects in Welds/Laminations	☐	☑
e) Other defects *i.e.: gaskets, packing, seals*	☐	☑
f) Manhole Covers – Tightening devices operative	☑	☐
h) Proper functions of: Vent Line Valves	☑	☐
Emergency devices	☑	☐
Excess flow valves	☑	☐

	YES	NO
b) Bad Dents	☐	☑
d) Defects in Valves – if yes explain -	☐	☑
g) Insulated	☐	☑
Loading/unloading valves	☑	☐
Self-closing stop valves	☑	☐
Remote closure devices	☑	☐

Comments: Repaired fender supports.

i) Bolts or nuts on any flanged connection or blank flange are in place and tight ☑ ☐

Comments:

j) Legible tank specification plate ☑ ☐ legible test markings ☑ ☐
Comments:

k) All major appurtenances & attachments in good conditions
Cross members ☑ ☐ Rear Bumper Height Good
Fifth wheel upper coupler ☑ ☐ Fenders ☑ ☐
Tie down bolts ☑ ☐
Comments

l) Multi compartment tanks ☐ ☑ Drain is open in void ☐ N/A ☐
Evidence of leakage from void ☐ N/A ☐
Number of compartments 1
m) Reclosing pressure relief
Free from corrosion ☑ ☐ Relief Valve Tested ☑ ☐
Free from damage ☑ ☐
Relief valve replaced ☐ ☑
Comments:

n) Full opening rear head ☐ N/A ☐ Gasket free of cuts, cracks ☐ N/A ☐
Gasket replaced
Comments:

o) Hoses inspected ☐ N/A ☐ Test Pressure N/A
Hose pressure tested
Comments:

INSPECTOR David Bevan SIGNATURE _____ DATE 07/24/2024

2) *Internal Test: I*

	YES	NO		YES	NO
a) Corroded Areas	☐	☑	b) Bad Dents	☐	☑
c) Defects in welds/laminations	☐	☑	d) Cracks	☐	☑
e) Broken Baffles	☐	☑	f) Lined	☐	☑

Other defects: Explain or elaborate on one above: Repaired broken baffle.

Thickness Test required	☑	☐	Lining Test required	☐	☐

INSPECTOR David Bevan **SIGNATURE** _____ **DATE** 07/24/2024

3) *Coating Inspection*

	YES	NO
a) Visual signs of degraded coating	☑	☐
b) Thickness test required	☑	☐

c) Coating type: not on spec plate

Comments

INSPECTOR David Bevan **SIGNATURE** _____ **DATE** 07/24/2024

4) *Thickness Test = T*

	Mfg Thickness	*Actual Thickness*		*Mfg Thickness*	*Actual Thickness*
a) Head Thickness	9.53	9.5	b) Shell Side/Top	6.35	6.3
c) Shell bottom	6.35	6.3	d) Around discharge openings	6.35	6.3
e) Near a Baffle	6.35	6.3	f) Near a Fifth Wheel	6.35	6.3
g) Near Nominal liquid level lines	6.35	6.3	h) On shell to shell joints	6.35	6.3

Minimum Allowable Thickness according to specification plate or table 8.x & 8.5 or 10% less than nominal thickness _____ Head 8.51 Shell 5.56

Comments:

INSPECTOR David Bevan **SIGNATURE** _____ **DATE** 07/24/2024

5a) Leakage Test –First Compartment – K

	YES	NO		YES	NO
Original Test	☐	☑	Re-Test	☑	☐
Any Venting devices blocked or removed	☐	☑	Leakage	☐	☑
Test Pressure 20 psi _____ (80% of M.A.W.P.)			MAWP	25 psi	
Product piping with all valves & accessories In place & operative	☑	☐	Distortion	☐	☑
Test pressure held for 5 minutes	☑	☐			

Test Medium water/air

Comments :ie: If defects were found, how were they discovered, their location, nature of severity of each defect & how were they repaired. If necessary, draw a picture on the back of this page.

Test held for 5-10 mins.

5b) Leakage Test –Second Compartment – K

	YES	NO		YES	NO
Original Test	☐	☐	Re-Test	☐	☐
Any Venting devices blocked or removed	☐	☐	Leakage	☐	☐
Test Pressure _____ (80% of M.A.W.P.)			MAWP		
Product piping with all valves & accessories In place & operative	N/A ☐	☐	Distortion	☐	☐
Test pressure held for 5 minutes	☐	☐			

Test Medium _____

Comments: ie. If defects were found, how were they discovered, their location, nature of severity of each defect & how were they repaired. If necessary, draw a picture on the back of this page.

5c) Leakage Test – Third Compartment – K

	YES	NO		YES	NO
Original Test	☐	☐	Re-Test	☐	☐
Any Venting devices blocked or removed	☐	☐	Leakage	☐	☐
Test Pressure _____ (80% of M.A.W.P.)			MAWP		
Product piping with all valves & accessories In place & operative	N/A ☐	☐	Distortion	☐	☐
Test pressure held for 5 minutes	☐	☐			

Test Medium _____

Comments: ie. If defects were found, how were they discovered, their location, nature of severity of each defect & how were they repaired. If necessary, draw a picture on the back of this page.

5d) Leakage Test – Fourth Compartment – K

	YES	NO		YES	NO
Original Test	☐	☐	Re-Test	☐	☐
Any Venting devices blocked or removed	☐	☐	Leakage	☐	☐
Test Pressure _____ (80% of M.A.W.P.)			MAWP		
Product piping with all valves & accessories In place & operative	N/A ☐	☐	Distortion	☐	☐
Test pressure held for 5 minutes	☐	☐			

Test Medium _____

Comments: ie. If defects were found, how were they discovered, their location, nature of severity of each defect & how were they repaired. If necessary, draw a picture on the back of this page.

INSPECTOR David Bevan **SIGNATURE** _____ **DATE** 07/24/2024

6a) *Pressure Test –First Compartment = P*

	YES	NO
Original Test	☐	☑
Pressure Relief device Tested	☑	☐
Leakage	☐	☑
Test Head held for 10 minutes	☑	☐

Test Medium water

	YES	NO
Re-Test	☑	☐
Pressure relief device replaced	☐	☑
Distortion	☐	☑

Test Pressure 40 psi

Comments: *ie If defects were found, how were they discovered, their location, nature of severity of each defect & how were they repaired. If necessary, draw a picture on the back of this page.*

Test held for 10-15 mins.

6b) *Pressure Test - Second Compartment = P*

	YES	NO
Original Test	☐	☐
Pressure relief device Tested	N/A	
Leakage	☐	☐
Test Head held for 10 minutes	☐	☐

Test Medium _____

	YES	NO
Re-Test	☐	☐
Pressure relief device replaced	☐	☐
Distortion	☐	☐

Test Pressure

Comments: ie. If defects were found, how were they discovered, their location, nature of severity of each defect & how were they repaired. If necessary, draw a picture on the back of this page.

6c) *Pressure Test – Third Compartment = P*

	YES	NO
Original Test	☐	☐
Pressure relief device Tested	N/A	
Leakage	☐	☐
Test Head held for 10 minutes	☐	☐

Test Medium _____

	YES	NO
Re-Test	☐	☐
Pressure relief device replaced	☐	☐
Distortion	☐	☐

Test Pressure

Comments: ie. If defects were found, how were they discovered, their location, nature of severity of each defect & how were they repaired. If necessary, draw a picture on the back of this page.

6d) *Pressure Test – Fourth Compartment = P*

	YES	NO
Original Test	☐	☐
Pressure relief device Tested	N/A	
Leakage	☐	☐
Test Head held for 10 minutes	☐	☐

Test Medium _____

	YES	NO
Re-Test	☐	☐
Pressure relief device replaced	☐	☐
Distortion	☐	☐

Test Pressure

Comments: ie. If defects were found, how were they discovered, their location, nature of severity of each defect & how were they repaired. If necessary, draw a picture on the back of this page.

INSPECTOR David Bevan SIGNATURE _____ DATE 07/24/2024

No Defects or Damages None

NEXT TEST:

EXTERNAL 07/2025 1yr *INTERNAL* 07/2029 5yrs

LEAKAGE 07/2025 1yr *HYDRO* 07/2029 5yrs

THICKNESS 07/2026 2yrs *LINING* N/A

REMOVED FROM SERVICE ☐ *RETURNED TO SERVICE* ☑ *Sour Service* ☐ *Acid Service* ☐

NOTES:

Has met all requirements to the best of my knowledge and returned to service. 07/24/2024

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TCRN/CRN#_____
REG NO. 25-323

Date: March 26 / 2021 Decal Information: 03/2021 U.K.I.P.L.u.c. 323

Owner of Tank: Sibley Transport Phone # (780)678-6019
Address: 54206 RR170A Yellowhead County, Alb T7E 3W4 Unit# 0100
Tank S/N 7412 Tank Manufacturer Tremcar
Date Mfg: 02/2010 Transport Canada Specification: TC407
VIN # 2TLZL454XAB003669 Certification Date: 02/2010
Work Required: 1) External Inspection ✓ 2) Internal Inspection ✓ 3) Lining Inspection ✓
4) Thickness Test _____ 5) Leakage Test ✓ 6) Pressure Test ✓

1) *External Inspection = V*

Conditions that indicate weakness that might render the tank unsafe for transportation:

	YES	NO		YES	NO
a) corroded Areas – if yes a thickness test required		✓	b) Bad Dents		✓
c) Defects in Welds/Laminations		✓	d) Defects in Valves – if yes	✓	
e) Other defects *i.e.: gaskets, packing, seals*		✓	explain - Manual vent valve is		
f) Manhole Covers – Tightening devices operative	✓		seized, passenger side front manifold valve by pass		
g) Proper functions of: Vent Line Valves	✓	✓	Loading/unloading valves	✓	
Emergency devices	✓		self-closing stop valves	✓	
Excess flow valves	✓		remote closure devices	✓	

Comments: Replaced manual vent valve and passenger side load line valve.

h) Bolts or nuts on any flanged connection or blank flange are in place and tight ✓

Comments:

i) Legible tank specification plate ✓ legible test markings ✓
Comments:

j) All major appurtenances & attachments in good conditions Rear Bumper Height Good
Cross members ✓ Fenders ✓
Fifth wheel upper coupler ✓ Tie down bolts ✓
Comments:

k) Multi compartment tanks ✓ Drain is open in void N/A
Evidence of leakage from void N/A
Number of compartments 1
l) Reclosing pressure relief Relief Valve Tested ✓
Free from corrosion ✓ Free from damage ✓
Relief valve replaced ✓
Comments:

m) Full opening rear head N/A gasket free of cuts, cracks N/A
gasket replaced N/A
Comments:

n) Hoses inspected N/A Test Pressure N/A
Hose pressure tested N/A
Comments: No hoses at time of test.

TESTER David Carruthers SIGNATURE David Carruthers DATE March 26/2021

2) *Internal Test: I*

	YES	NO		YES	NO
a) Corroded Areas	___	✓	b) Bad Dents	___	✓
c) Defects in welds/laminations	___	✓	d) Cracks	___	✓
e) Broken Baffles	___	✓			

Other defects: Explain or elaborate on one above: _____

Thickness Test required ___ ✓ Lining Test required ✓ ___

TESTER David Carruthers SIGNATURE David Carruthers DATE March 26/2021

3) *Lining Test Inspection = L*

	YES	NO		YES	NO
a) Visual signs of degraded lining	___	✓	b) high frequency spark tester required	___	✓
c) Thickness test required	___	✓	c) Lining type: TNEMEC 66		

Comments _____

TESTER David Carruthers SIGNATURE David Carruthers DATE March 26/2021

4) *Thickness Test = T*

	Mfg Thickness	*Actual Thickness*		*Mfg Thickness*	*Actual Thickness*
a) Head Thickness	___	___	b) Shell Side/Top	___	___
c) Shell bottom	___	___	d) around discharge openings	___	___
e) Near a Baffle	___	___	f) Near a Fifth Wheel	___	___
g) Near Nominal liquid level lines	___	___	h) on shell to shell joints	___	___
Minimum Thickness according to specification plate or table	___		8.x & 8.5 or 10% less than nominal thickness		___

Comments: _____

TESTER _____ SIGNATURE _____ DATE _____

5a) Leakage Test –First Compartment – K

	YES	NO		YES	NO
Original Test	____	✓	Re-Test	✓	____
Any Venting devices blocked or removed	____	✓	Leakage	____	✓
Test Pressure 20 psi (80% of M.A.W.P.)					
Product piping with all valves & accessories In place & operative	✓	____	Distortion	____	✓
Test pressure held for 5 minutes	✓	____			

Test Medium Water

Comments :ie: If defects were found, how were they discovered, their location, nature of severity of each defect & how were they repaired. If necessary, draw a picture on the back of this page.

Test held for 5-10 mins

5b) Leakage Test –Second Compartment – K

	YES	NO		YES	NO
Original Test	____	____	Re-Test	____	____
Any venting devices blocked or removed	____	____			
Test Pressure (*80% M.A.W.P)			Leakage	____	____
Test pressure held for 5 minutes	____	____	Distortion	____	____
Product piping with all valves & accessories in place & operative	____	____			

Test Medium ____

Comments: ie If defects were found, how were they discovered, their location, nature of severity of each defect & how were they repaired. If necessary, draw a picture on the back of this page.

5c) Leakage Test – Third Compartment – K

	YES	NO		YES	NO
Original Test	____	____	Re-Test	____	____
Any venting devices blocked or removed	____	____			
Test Pressure (*80% M.A.W.P)			Leakage	____	____
Test pressure held for 5minutes	____	____	Distortion	____	____
Product piping with all valves & accessories In place & operative	____	____			

Test Medium ____

Comments: ie. If defects were found, how were they discovered, their location, nature of severity of each defect & how were they repaired. Iif necessary, draw a picture on the back of this page.

5d) Leakage Test – Fourth Compartment – K

	YES	NO		YES	NO
Original Test	____	____	Re-Test	____	____
Any venting devices blocked or removed	____	____			
Test Pressure (80% M.A.W.P)			Leakage	____	____
Test pressure held for 5 minutes	____	____	Distortion	____	____
Product piping with all valves & accessories In place & operative	____	____			

Test Medium ____

Comments: ie If defects were found, how were they discovered, their location, nature of severity of each defect & how were they repaired. If necessary, draw a picture on the back of this page.

TESTER: David Carruthers *SIGNATURE:* David Carruthers *DATE:* March 26/2021

6a) *Pressure Test –First Compartment = P*

	YES	NO		YES	NO
Original Test		✓	Re-Test	✓	
Pressure Relief device Tested	✓		Pressure relief device replaced		✓
Leakage		✓	Distortion		✓

Test Medium Water Test Pressure 45 psi

Comments: ie If defects were found, how were they discovered, their location, nature of severity of each defect & how were they repaired. If necessary, draw a picture on the back of this page.

Test held for 30-15 mins, PRV was bench tested.

6b) *Pressure Test - Second Compartment = P*

	YES	NO		YES	NO
Original Test			Re-Test		
Pressure relief device tested			Pressure relief device replaced		
Leakage			Distortion		
Test Medium			Test Pressure		

Comments: ie If defects were found, how were they discovered, their location, nature of severity of each defect & how were they repaired. If necessary, draw a picture on the back of this page.

6c) *Pressure Test – Third Compartment = P*

	YES	NO		YES	NO
Original Test			Re-Test		
Pressure relief device tested			Pressure relief device replaced		
Leakage			Distortion		
Test Medium			Test Pressure		

Comments: ie. If defects were found, how were they discovered, their location, nature of severity of each defect & how were they repaired. If necessary, draw a picture on the back of this page.

6d) *Pressure Test – Fourth Compartment = P*

	YES	NO		YES	NO
Original Test			Re-Test		
Pressure relief device tested			Pressure relief device replaced		
Leakage			Distortion		
Test Medium			Test Pressure		

Comments: ie. If defects were found, how were they discovered, their location, nature of severity of each defect & how were they repaired. If necessary, draw a picture on the back of this page.

TESTER David Carruthers SIGNATURE David Carruthers DATE March 26/2021

NEXT TEST:

EXTERNAL 03/2022 1yr *INTERNAL* 03/2026 5yrs

LEAKAGE 03/2022 1yr *HYDRO* 03/2026 5yrs

THICKNESS N/A *LINING* 03/2026 5yrs

NOTES: Has met all requirements to the best of my knowledge and returned to service.

David Carruthers
March 26/2021