

#18296



Created By: Greg Czaban

**Facility**

TNT Tank and Trailer Repair LP  
722052 Range Road 53  
County of GP #1  
Grande Prairie, AB, T8X 4J5  
587-803-3900

**Tank Data**

Ser. No.	L1-105343
Unit Number	325B
TC Spec.	TC 407
Date of mfr.	2019-08-01
Cert. date	2019-08-01
VIN	1PMKF2821L1105343
Tank mfr.	POLAR TANKS
Assembler	POLAR TANKS
MAWP	172 kPa
Test P.	310 kPa
Mfd. head thick	4.343 mm
Min. head thick	3.2766 mm
Mfd. shell thick	3.480 mm
Min. shell thick	3.277 mm
Exposed Surface	84 m2
Cap.	28391 litres
Design Temp. Range	-29 C to 100 C
Max. Lading Density	1.92 kg/L
Shell Material	SA240 T316/T316L
Head Material	SA240 T316/T316L
Weld Material	T317L
Max. Payload	24267 kg
Max. Load Rate	1893 L/m at 172 kPa
Max. Unload Rate	1893 L/m at 172 kPa
Original Test Date	2019-08-01

Service provided by **eStandard Solutions**

## External Visual Inspections (L1-105343)



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## Facility

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722052 Range Road 53  
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587-803-3900

## Client

TROUBADOUR TRUCKING & EARTH WORKS  
BOX 446  
BEAVERLODGE, AB, T0H3C0  
Ph. No. - 7809780187

## Tank

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Cert. date	2019-08-01	VIN	1PMKF2821L1105343
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Original Test Date	2019-08-01		

## External Visual Inspection

Inspection Date	2024-11-12	Inspection Expiry Date	2025-11-30
Manway Pressure	35/53 psi		

## Inspection

Inspect jacketing for dents, digs, scrapes, gouges, perforations, stains, or other defects or signs of damage to the inner vessel or any other condition that might make it unsafe as per 7.2.1(a)

Not Applicable

Inspect the entire area of head and shell for dents, gouges, bulges, corrosion, abrasion, cracks, or signs of leakage or other conditions that might render it unsafe for transport as per 7.2.1(a)

Pass

Inspect the entire length of every weld for cracks, defects or signs of leakage as per 7.2.1(a)

Pass

Ensure devices for tightening manhole covers are operative and covers are leak tight as per 7.2.1(b)

Pass

Check all valves, vents, emergency devices and remote closures for corrosion, distortion, cracks, signs of weakness and loose or missing fasteners as per 7.2.1(c)

Pass

Ensure all required markings are legible including manway, PRV, couplings, valves and specification plate as per 7.2.1(e)

Pass

Inspect supporting structures, pads, bolsters, tie-downs and protective devices for dents, distortion, cracks, signs of weakness and loose or missing fasteners as per 7.2.1(f)

Pass

Ensure accompanying or mounted hoses comply with inspection and marking requirements as per 7.2.10.4 and 7.2.10.6

Pass

Check to ensure voids are unplugged and show no signs of leakage as per 7.2.1.2  
Not Applicable

Corroded or abraded areas are thickness tested as per 7.2.1.3  
Pass

All pressure relief devices are inspected for corrosion or damage as per 7.2.1.4  
Pass

If lading is corrosive to PRV: re-closing pressure relief valves are replaced or tested as per 7.2.1.4(b)  
Not Applicable

Gaskets on full opening rear head is inspected and replaced if cut, cracked or split as per 7.2.1.5  
Not Applicable

Internal self closing valve and off truck emergency shut down system tested as per 7.2.1.6  
Not Applicable

Ensure that all bolts or nuts on any flanged connection or blank flange are in place and properly tightened  
Pass

Defects  
No defects found.

#### PRV List

#	Type of PRV	Manufacturer	PRV Criteria	Discharge Pressure	Opening Pressure	Reseating Pressure	Disposition
1	PRESSURE/VACUUM	GIRARD	psi	30	30	29	Reinstalled

#### Tank Disposition

Current Disposition	Passed / No Defects Found
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#### Approval

Inspector  
Signed by Greg Czaban

Tester  
Signed by GREG CZABAN

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## Leakage Tests (L1-105343)



Created By: Greg Czaban

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## Tank

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Cert. date	2019-08-01	VIN	1PMKF2821L1105343
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MAWP	172 kPa	Test P.	310 kPa
Mfd. head thick	4.343 mm	Min. head thick	3.2766 mm
Mfd. shell thick	3.480 mm	Min. shell thick	3.277 mm
Exposed Surface	84 m <sup>2</sup>	Cap.	28391 litres
Design Temp. Range	-29 C to 100 C	Max. Lading Density	1.92 kg/L
Shell Material	SA240 T316/T316L	Head Material	SA240 T316/T316L
Weld Material	T317L	Max. Payload	24267 kg
Max. Load Rate	1893 L/m at 172 kPa	Max. Unload Rate	1893 L/m at 172 kPa
Original Test Date	2019-08-01		

## Leakage Test

Inspection Date	2024-11-12	Inspection Expiry Date	2025-11-30
Test Medium	Water	No. of Compartments	1

Compartment #	Start (psi)	End (psi)	Hold Time (min)	Capacity
1	20	20	15	28391 L

## Test Results

Venting devices hold pressure as required, if removed they are bench tested and hold pressure as required  
 Pass

Product piping and valves hold pressure without leakage  
 Repair

Manways and closures inspected for leaks or deformation  
 Pass

Flanged connections checked for leakage  
 Pass

Inspect the entire area of the head, shell and welds for leaks or deformation including voids and adjacent compartments  
 Pass

Test pressure maintained for minimum of 5 minutes  
 Pass

All leaks are repaired before the tank is marked  
 Pass

Inspect head shell

**Defects**

**Valves**

REPLACE ACTUATED VENT VALVE- RETEST

**Tank Disposition**

Current Disposition	Tank Repaired / Re-Tested / Returned to Service

**Approval**



**Inspector**  
Signed by Greg Czaban



**Tester**  
Signed by JESSICA JACKSON

Service provided by **eStandard Solutions**

## Internal Visual Inspections (L1-105343)

Created By: *Greg Czaban*

## Facility

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## Tank

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Cert. date	2019-08-01	VIN	1PMKF2821L1105343
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Shell Material	SA240 T316/T316L	Head Material	SA240 T316/T316L
Weld Material	T317L	Max. Payload	24267 kg
Max. Load Rate	1893 L/m at 172 kPa	Max. Unload Rate	1893 L/m at 172 kPa
Original Test Date	2019-08-01		

## Internal Visual Inspection

Inspection Date 2024-11-12 Inspection Expiry Date 2029-11-30

## Inspection

Lining test completed if lined as per 7.2.2.1(c)  
Not Applicable

Enter the tank and inspect for: dents, gouges, cracks, corrosion, abrasions or signs of leakage in the shell or heads including bulkheads as per 7.2.2.1(a)  
Pass

Inspect piping, valves and gaskets for damage as per 7.2.2.1(a)  
Pass

Inspect every weld for cracks, defects or signs of leakage as per 7.2.2.1(b)  
Pass

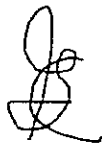
Corroded areas are thickness tested if found as per 7.2.2.1(d)  
Pass

Defects  
No defects found.

## Tank Disposition

Current Disposition Passed / No Defects Found

## Approval



Inspector  
Signed by Greg Czaban



Service provided by **eStandard Solutions**



Tester  
Signed by GREG CZABAN



### Pressure Tests (L1-105343)



**Created By: Greg Czaban**

**Facility**

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## Client

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## Tank

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Cert. date	2019-08-01
Tank mfr.	POLAR TANKS
MAWP	172 kPa
Mfd. head thick	4.343 mm
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Exposed Surface	84 m2
Design Temp. Range	-29 C to 100 C
Shell Material	SA240 T316/T316L
Weld Material	T317L
Max. Load Rate	1893 L/m at 172 kPa
Original Test Date	2019-08-01

<b>Unit Number</b>	325B
<b>Date of mfr.</b>	2019-08-01
<b>VIN</b>	1PMKF2821L1105343
<b>Assembler</b>	POLAR TANKS
<b>Test P.</b>	310 kPa
<b>Min. head thick</b>	3.2766 mm
<b>Min. shell thick</b>	3.277 mm
<b>Cap.</b>	28391 litres
<b>Max. Lading Density</b>	1.92 kg/L
<b>Head Material</b>	SA240 T316/T316L
<b>Max. Payload</b>	24267 kg
<b>Max. Unload Rate</b>	1893 L/m at 172 kPa

### Pressure Test

Inspection Date	2024-11-12		
Inspection Expiry Date	2029-11-30		
Test Medium	Water		
No. of Compartments	1		
	Start (psi)	End (psi)	Hold Time
Compartment 1	40	40	10

## Test Results

**When venting devices are removed, they are bench tested and meet the requirements for the tank**  
Pass

**Product piping with all valves and accessories in place and operative must be pressure tested at not less than 80% MAWP**  
Pass

When removed from the pressure supply, the test pressure is retained for the specified time for the pneumatic or hydrostatic test

Pass

**Inspect the entire area of the head, shell and welds for leaks or deformation. If defects found note the location on the report**  
**Pass**

## Defects

No defects found.




## PRV List

#	Type of PRV	Manufacturer	PRV Criteria	Discharge Pressure	Opening Pressure	Reseating Pressure	Disposition
1	PRESSURE/VACUUM	GIRARD	psi	30	30	29	Reinstalled

## Tank Disposition

Current Disposition      Passed / No Defects Found

## Approval



Inspector  
Signed by Greg Czaban



Tester  
Signed by GREG CZABAN



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## Upper Coupler Inspections (L1-105343)



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Design Temp. Range	-29 C to 100 C	Max. Lading Density	1.92 kg/L
Shell Material	SA240 T316/T316L	Head Material	SA240 T316/T316L
Weld Material	T317L	Max. Payload	24267 kg
Max. Load Rate	1893 L/m at 172 kPa	Max. Unload Rate	1893 L/m at 172 kPa
Original Test Date	2019-08-01		

## Upper Coupler Inspection

Inspection Date	2024-11-12	Inspection Expiry Date	2029-11-30
Inspection			
Corroded or abraded areas			
Pass			
Cracks or defects in welds			
Pass			
Dents or distortions			
Pass			
Defects			
No defects found.			

## Tank Disposition

Current Disposition	Passed / No Defects Found
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## Approval

A handwritten signature in black ink, appearing to be 'JL' or similar.

A handwritten signature in black ink, appearing to be 'JC' or similar.

11/13/24, 8:34 AM

Inspector  
Signed by Greg Czaban

Upper Coupler Ins. eStandard Solutions

Tester  
Signed by GREG CZABAN

Service provided by **eStandard Solutions**