

4740-AD1



TRAILER: 7215	LOCATION: LUFKIN	DATE: 11-8-17	INSPECTION #/READING: 268840
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ITEMS TO INSPECT	KNO DEFECT	IDENTIFY & SPECIFY DEFECT
General: Inspect for Cracks/Unusual Wear/Frust/Broken-Missing parts/Leaks/Looseness/Corrosion/Appearance/Decals	X	
Coupling: Inspect upper plate and kingpin. Check mounting bolts.	X	
Landing Gear: Check Ease of Operation/Sand Shoes/Crank Handle/Bracing and grease.	X	
Lights/Light Receptacle/Reflectors/Wiring/Light Boxes and Mounting	X	
Brakes: Inspect lining. Indicate condition. Check air hoses and chamber mounts. Check air tanks for rust-Drain tanks.	X	
Tires: Check for bulges/Uneven wear/gouges/mismatch of more than 1/32 for Duals. Indicate condition. Check inflation. Check Tire Inflation System if	X	
Check ABS System	X	
Wheel and Bearings: Check for broken, missing lug. Check oil level in hubcaps. Check seals for leaks or dampness.	X	
Under frame and cross members.	X	
Suspension, Springs: Check Integrity/Leaf Springs/Air Bags & Bases/Torque-Trailing Arm Bushings/Air Leaks/Ride Height.	X	
Fenders and brackets: Check for dents and cracks.	X	
Mud Flaps: Indicate missing or torn. Check for cracked mount brackets.	X	
License Plate: Indicate dirty or bent. Check for license plate light. Install backing plate if necessary.	X	
Bumper: Inspect for dents and rusted mounts or packing.	X	
Grease Unit	X	
Check DOT Tape Sides/Bumper/Top Rear-Note if peeling or missing.	X	
Damage: Indicate same if any.	X	
Decals: Check V.K.P.-U.C.T and annual (note due dates)	X	VIKEPART 1-14 P10C1-22
Hose Tubes & Latches/Hose Troughs/Drain Tubes/Hoses/Caps-Cables-Plugs	X	
Service Air-Off Filter/Temperature & Air Gauges	X	
Ladder/Catwalk/Supports and all attaching structure.	X	
Placard Mounts-Mounting/Holders and Clas.	X	
Cabinet and Mounting/Cabinet Latches/Door and Door Hinge	X	
Check Hydraulic Operation/Check Fluid Condition at Internal Fusible/Plus: If Contaminated/Fill with Hyd Oil Only	X	
Overfill Protection: Check Operation/Check for Necessary Power and Permitt Lights/Check Ground-Diode on Thermistor & Optic Sockets	X	
Aluminum trailer except elliptical DO NOT CAUSTIC WAS H decals front, both sides rear of spill dam and each compartment come tie	X	
check battery status and reporting of tracking unit	X	

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FMCSA - PERIODIC INSPECTION CERTIFICATION

This vehicle has passed an inspection in accordance with 49 C.F.R. Part 396 and must be reinspected during or before the same calendar month one year after the date shown below. Information on the contents of the inspection report can be obtained by contacting the owner/lessee.

Sticker Installation Date: **11-8-17**
 Mechanic: **Joseph Habel**

ADDITIONAL COMMENTS
Plate # 218-707
Vin# 025996



EXTERNAL VISUAL INSPECTION

DATE 1-8-18
 TRAILER # 7215 SERIAL OR VIN # 31-25998 MFG. POLAR
 DATE OF MFG. 7/2002 HEAD & SHELL MATERIAL 5454A CERT. DATE 7/2002
 DOT SPEC # 407 MAWP/DESIGN PRESS. 25 psi. TEST PRESS. 45 psi.
 COMPARTMENT SIZES, F to R: 1. 9000 2. N/A 3. N/A 4. N/A 5. N/A
 MINIMUM THICKNESS: HEADS .228 SHELL .194 CARGO TANK LINED: YES; NO
 CARGO TANK INSULATED: YES; NO CORROSIVE SERVICE: YES; NO
 CARGO TANK IS IN SPECIAL OR DEDICATED SERVICE: YES; NO
 UPPER COUPLER REMOVED: YES; NO (Required every two years for tank in corrosive service)
 PRESSURE RELIEF VENT(S) REMOVED, INSPECTED & TESTED: YES; NO
 (Required annually for tank in corrosive service) IF TESTED, ENTER THE RESULTS BELOW.

VENT	COMP. 1	COMP. 2	COMP. 3	COMP. 4	COMP. 5
Design PSI	<u>25</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Open PSI	<u>32</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Reseat PSI	<u>28</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

INSPECTION STEPS	NOT CORRECTIVE		
	COMPLIES	ACCEPTABLE	ACTION
1) Data Plate: Tank attachment, entries legible, no paint or corrosion.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2) Shell and Heads: Condition of welds, dents, gouges or abrasion.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3) Upper Coupler Assembly: Condition of plate - corrosion, deformation, and lubrication, bolt tightness, king pin wear and tightness.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4) Bolted attachments: Piping brackets and supports, valve installations, valve operator installations, dust cap retainers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5) All major appurtenances and structural attachments. All tank to frame and suspension system attachments, frames, cross-members, outriggers and bolsters.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6) Piping and all valves, adapters and dust caps: Leakage, attachments, handles and levers, cables, air or hydraulic lines, shear sections, all gaskets or O-rings.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7) Internal valve operation: Three means of closure (normal, thermal, and remote). Function check operator and remote. Check cable adjustment, condition of cables. Interconnection with load/unload vents - brake interlocks, lubrication points.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



8) Manhole Assembly area: Evidence of leakage, warping, corrosion or impact damage to manholes and fill covers, weld collars, gaskets, overturn damage protection devices, clamping rings, condition of latches, hinges and all bolted connections, drains and all welds Yes; No
 Vents removed, inspected and tested: Yes; No

9) Placards: Check for location, condition and color

CORRECTIVE ACTION FOR NON-ACCEPTABLE CONDITIONS:

Was thickness testing performed on corroded or abraded areas? N/A Yes; N/A No

Is a sketch included to show areas? N/A Yes; N/A No

Were welded repairs made to the cargo tank wall? _____ Yes; No

Is a sketch included to show area (s)? N/A Yes; N/A No

Was the welded repair pressure tested after welding? N/A Yes; N/A No: Pressure applied N/A

Cargo tank meets the DOT specification number listed in this report.

Cargo tank does not meet the DOT specification number listed in this report.

marking applied to the tank: Month - Year - letter "V"

Andy Willis
 Registered Inspector

CT 13028
 Registration Number

1-8-18
 Date

AL TOM Transport
 Company Name

 National Board Number

Cargo Tank Owner Acceptance:

[Signature]
 Cargo Tank Owner, or Representative

1-18-18
 Date

Cargo tank returned to service.

Cargo tank removed from service



LEAKAGE TEST REPORT HYDROSTATIC/PNEUMATIC METHOD
(In Accordance with 49CFR Part 180 Para. 180.407[h])

Customer: ALCOM Transport Date: 1-16-18
 MC/DOT No. 407 Manufacturer: POLAR
 Unit No. T 215 Year of Mfr.: 2002
 VIN No. 1PM A3442331C 25998 MAWP/Design Pressure 25
 Special Service of the Cargo Tank N/C
 Cargo Tank in Corrosive Service Yes No

	Capacity	"K" Test Pressure
Comp. 1	<u>9000</u>	<u>20</u>
Comp. 2	<u>N/A</u>	<u>N/A</u>
Comp. 3	<u>N/A</u>	<u>N/A</u>
Comp. 4	<u>N/A</u>	<u>N/A</u>
Comp. 5	<u>N/A</u>	<u>N/A</u>

Material:
 Insulated Yes No
 Lined Yes No

The following must be completed for each compartment. Red flag all vents removed or rendered inoperative. Replace vents after completing test.

	<u>Acceptable</u>	<u>Nonacceptable (See Remarks)</u>
With valves closed and manhole cover open, start filling the tank and check all exterior surfaces for leaks. Install test fitting into manhole assembly, clean out, or any other top opening. With manhole cover and internal valve in the closed position, and discharge valve open, gradually pressurize cargo tank to 80% of MAWP. Hold pressure long enough to ensure zero leakage from manhole cover, internal valve seat, etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Close discharge valve and open internal valve. Stabilize internal pressure at 80% of MAWP (required leakage test pressure). Hold at zero pressure drop for 5 minutes.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Remarks: _____

Defects found, location, and corrective action: Vacuum Break mounting gasket
Leaked - Replaced w/ Leaks

Over fill probe housing leaked - changed gasket w/ leaks

The Center DRB Valve leaked had to Regrind
the Seat and replace flange seat gasket

Were welded repairs made to the cargo tank wall? Yes No
Was the cargo tank pressure tested after welding? Yes No

- Cargo tank meets the DOT specification requirements listed on this report.
- Cargo tank does not meet the DOT specification requirements listed on this report.
- Month - Year - 'K' Marked on Cargo Tank

Person performing test

Andy Willis CT 13028 1-16-18

Registered Inspector

Registration Number

Date

ALTom Transport
Company Name

/
National Board No.

Cargo Tank Owner Acceptance:

- Cargo tank removed from service
- Cargo tank returned to service

[Signature]
Cargo Tank Owner

1-18-18
Date

19. Connect the pressure source to the pressure vacuum inlet, pressurize the cargo tank to just above 18" of water column (W.C.) When the pressure reaches 18" W.C., close the vapor valves. Bleed the pressure from the vapor line to zero pressure. Close the valve on the vapor line test fitting and begin timing the test. At the end of 5 minutes, the allowed pressure built up in the vapor line is 5" W.C. If it exceeds 5", repair or replace vapor valve(s) and repeat test.

TEST RESULTS			TEST RESULTS				
Pressure Test No. 1			Pressure Test No. 2				
		Time			Time		
Start Pressure	18	" W.C.	9:00 AM	Start Pressure	18	" W.C.	9:05 AM
Finish Pressure	18	" W.C.	9:05 AM	Finish Pressure	18	" W.C.	9:10 AM
Change	0	" W.C.		Change	0	" W.C.	

Measured Change From Test 1 to Test 2= 0 " W.C.
 Calculate the Arithmetic Average of the Two Tests= ±18 " W.C.

Vacuum Test No. 1			Vacuum Test No. 2				
		Time			Time		
Start Pressure	-6	" W.C.	9:30 AM	Start Pressure	-6	" W.C.	9:40 AM
Finish Pressure	-6	" W.C.	9:35 AM	Finish Pressure	-6	" W.C.	9:45 AM
Change	0	" W.C.		Change	0	" W.C.	

Measured Change From Test 1 to Test 2= 0 " W.C.
 Calculate the Arithmetic Average of the Two Tests= -6 " W.C.

Measured increase in vapor vent test 0 " W.C.
 Repairs Required for Compliance:

Yes (see area marked Description of Defects and Corrective Action) No

Were repairs made by welding to the cargo tank shell or heads N/A Yes N/A No
 Nat. Bd. "R" Stamp No. N/A ASME "U" Stamp No. N/A

Description of Defects and Corrective Action:

Cargo tank meets the requirements of the DOT specification identified in this report.

Cargo tank fails to meet the requirements of the DOT specification identified in this report.

Marking applied Month - Year - K - EPA27

Facility Conduction Test ALTom Transport

Andy Willis
 Registered Inspector

CT 13028
 Registration Number

1-16-18
 Date

[Signature]
 Cargo Tank Owner Acceptance
 FORM 0585A - METHOD 22 TESTING

1-18-18
 Date

DEPARTMENT OF TRANSPORTATION
CERTIFICATE OF COMPLIANCE

ISSUED BY POLAR TANK TRAILER, INC.

CARGO TANK MOTOR VEHICLE MANUFACTURER REGISTRATION IDENTIFICATION NUMBER CT-0016

This certifies that the new Polar tank identified below was designed, constructed and tested in accordance with the Department of Transportation Motor Vehicle Cargo Tank Specifications No. D.O.T. 407 for cargo tank used for the transportation of classified liquids.

Vehicle Type: SEMI-TRAILER TANK Capacity: 9000 U.S. GALLONS Date Shipped: _____
Year Fabricated: 2002 Serial No. 31-25998
Manufactured by Polar Tank Trailer, Inc. RR 1, HOLDINGFORD MN 56340-9773

CERTIFICATION

Cargo Tank Complies to Specifications No. D.O.T. 407 ITEMS NOT INSTALLED AT TIME OF SHIPMENT as Shipped.
CERTIFICATION DATE: 07/02

Cargo Tank Complies to Specifications No. _____
Except Those Items Listed.

Robert E. Dickinson
Authorized Signature
POLAR TANK TRAILER, INC.

above items installed: _____ Date _____
By: _____ Authorized Signature
Firm _____