ALTOM Transport, Inc.

TRAILER:	LOCATION:	DATE:	HUB READING:
T 219	Lufkin	8-7-17	103368

ITEMS TO INSPECT	KIND DEFECT	IDENTIFY & SPECIFY DEFECT
General: Inspect For Cracks/Unusual Wear/Rust/Broken-Missing parts/Leaks/Looseness/Corrosion/Apperance/Decals	AW	
Coupling: Inspect upper plate and kingpin. Check mounting bolts.	AW	
Landing Gear: Check Ease of Operation/Sand Shoes/Crank Handle/Bracing and grease.	AW	
Lights/Light Receptacle/Reflectors/Wiring/Light Boxes and Mounting	AW	
Brakes: Inspect lining. Indicate condition. Check air hoses and chamber mounts. Check air tanks for rust -Drain tanks.	AW	
Tires: Check for bulges/Uneven Wear/gouges/Mismatch of more than 4/32 for Duals. Indicate condition. Check inflation. Check Tire Inflation System if	AW	
Check ABS System	AW	
Wheels and Bearings: Check for broken, missing lugs. Check oil level in hubcaps. Check seals for leaks or dampness.	AW	
Under frame and cross members.	AW	
Suspension, Springs: Check Integrity/Leaf Springs/Air Bags & Bases/Torque-Trailing Arm Bushings/Air Leaks/Ride Height	AW	
Fenders and brackets: Check for dents and cracks.	AW	
Mud Flaps: Indicate missing or torn. Check for cracked mount brackets.	AW	
License Plate: Indicate dirty or bent. Check for license plate light. Install backing plate if necessary.	AW	
Bumper: Inspect for dents and rusted mounts or packing.	AW	
Grease Unit	AW	
Check DOT Tape Sides/Bumper/Top Rear-note if peeling or missing.	AW	
Damage: Indicate same if any.	AW	
Decals: Check VIK-P-UC-T and annual (note due dates)	AW	VK EPA97 8/18 PIUC 8/22
Hose Tubes & Latches/Hose Troughs/Drain Tubes/Hoses/Caps-Cables-Plugs	AW	
Service Air Off Filter/Temperature & Air Guages	AW	
Ladder/Catwalk/Supports and all attaching structure.	AW	
Placard Mounts-Mounting/Holders and Clips.	AW	
Cabinet and Mounting/Cabinet Latches/Door and Door Hinge	AW	
Check Hydraulic Operation/Check Fluid Condition at Internal Fusible/Flush If Contaminated/Fill with Hyd Oil Only	AW	
Overfill Protection: Check Operation/Check for Necessary Power and Permit Lights/Check Ground-Diode on Thermistor & Optic Sockets	AW	
Aluminum trailer except elliptical DO NOT CAUSTIC WASH decals front, both sides rear of spill dam and each compartment dome lid	AW	
check battery status and reporting of tracking unit Orbcomm	AW	Normal 7 31

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: 8/7/17

ALTOM Mechanic: Andy Wilke

ADDITIONAL COMMENTS	
Plate #	225-623
Vin#	026269

TANK PM SHEET

ALTOM Transport, Inc.

EXTERNAL VISUAL INSPECTION

DATE 8-2-17
TRAILER # 7319 SERIAL OR VIN # 31-26269 MFG. POLAR
DATE OF MFG. 12/2002 HEAD & SHELL MATERIAL 5454 CERT. DATE 12/2002
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	25				
Open PSI	32	N/A	N/A	N/A	N/A
Reseat PSI	28				

INSPECTION STEPS	COMPLIES	NOT ACCEPTABLE	CORRECTIVE ACTION
1) Data Plate: Tank attachment, entries legible, no paint or corrosion.	✓		
2) Shell and Heads: Condition of welds, dents, gouges or abrasion.	✓		
3) Upper Coupler Assembly: Condition of plate – corrosion, deformation, and lubrication, bolt tightness, king pin wear and tightness.	✓		
4) Bolted attachments: Piping brackets and supports, valve installations, valve operator installations, dust cap retainers	✓		
5) All major appurtenances and structural attachments. All tank to frame and suspension system attachments, frames, cross-members, outriggers and bolsters.	✓		
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.	✓		
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.	✓		

ALTOM Transport, Inc.

8) Manhole Assembly area: Evidence of leakage, warping, corrosion or impact damage to manholes and fill covers, weld collars, gaskets, overturn damage protection devices, damping rings, condition of latches, hinges and all bolted connections, drains and all welds ..... ✓ ___ ___ ___
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? N/A Yes; N/A 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
8-2-17 — Date

ALTOM Transport — Company Name
/ — National Board Number

Cargo Tank Owner Acceptance:

[signature] — Cargo Tank Owner, or Representative
8-8-17 — Date

✓ Cargo tank returned to service.

___ Cargo tank removed from service

ALTOM Transport, Inc.

LEAKAGE TEST REPORT HYDROSTATIC/PNEUMATIC METHOD

(In Accordance with 49CFR Part 180 Para. 180.407[h])

Customer ALTOM Transport Date: 8-4-17

MC/DOT No. 407 Manufacturer: POLAR

Unit No. T219 Year of Mfr.: 2002

VIN No. 1PMA3442631026269 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	9000	20
Comp. 2	N/A	N/A
Comp. 3	N/A	N/A
Comp. 4	N/A	N/A
Comp. 5	N/A	N/A

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.

	Acceptable	Nonacceptable (See Remarks)
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.	☑	☐
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.	☑	☐

Remarks: _____

Defects found, location, and corrective action: Found some leaking gaskets on Discharge Line - Replaced all the Gaskets Re Tested no Leaks

Vapor Recovery Valve Gasket Leaked - Replaced Re Tested NO Leaks

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	8-4-17
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]	8-8-17
Cargo Tank Owner	Date

ALTOM Transport, Inc.

INTERNAL VISUAL INSPECTION REPORT

(In accordance with 49 CFR Part 180 Para. 180.407(e) and 180.417)

Cargo Tank Owner ALTOM Transport Date 8-7-17
Owner's I.D. No. T219 Name of Tank Mfgr. POLAR
Manufacturer Serial No. 31-2669 Year of Tank Mfg. 2002
MC/DOT No. 407 MAWP 25
Minimum Thickness Heads .228 Shell: Top .194; Side .194; Bottom .209

Cargo Tank is Insulated ☐ Yes ☒ No Cargo Tank is Lined ☐ Yes ☒ No

Cargo Tank is used in Special or Dedicated Service ☐ Yes ☒ No _____

Cargo Tank Transports Corrosive Materials ☐ Yes ☒ No

Capacity by Compartment

Comp. 1 9000 Comp. 2 N/A Comp. 3 N/A Comp. 4 N/A
Comp. 5 N/A Comp. 6 N/A

	Disposition	
	Acceptable	Non-acceptable (See remarks)
Inspect entire surface for corrosion, abrasion, dents, pitting or distortion (special attention to tank heads and shell area covered by the upper coupler)...	☑	☐
Inspect gauging devices for vertical alignment and tightness.....	~~N/A~~	~~N/A~~
Inspect areas around piping, sumps, valves, for foreign material that could prevent proper functioning.....	☑	☐

Remarks:

Thickness testing performed on corroded or abraded areas ☒ Yes ☐ No

Sketch included to show area(s) ☒ Yes ☒ No

Were repairs made by welding ☐ Yes ☒ No

Nat. Bd. "R" Stamp No. N/A ASME "U" Stamp No. N/A

Sketch enclosed to show welded area(s) ☐ Yes ☒ No

Was the repaired compartment pressure tested ☒ Yes ☐ No

☑ 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 – Letter 'I'

ALTOM Transport

Facility Performing the Test

Andy Willis — Registered Inspector

CT 13028 — Registration No.

8-7-17 — Date

✓ Cargo tank returned to service.

___ Cargo tank removed from service.

Cargo Tank Owner Acceptance

8-8-17 — Date

ALTOM Transport, Inc.

PRESSURE RETEST - PNEUMATIC METHOD

(In Accordance With 49CFR Part 180 Para. 180.407[g] and 180.417)

Cargo Tank Owner ALTOM Transport Date 8-4-17

Owner's I.D. No. T219 MC/DOT No. 407

Name Of Tank Manufacturer POLAR

Manufacturer Serial No. 31-26269 Year of Mfg. 2002

Cargo Tank Is Jacketed ☐ Yes ☒ No Cargo Tank Lined ☐ Yes ☒ No

Cargo Tank Is Used In Special Or Dedicated Service ☐ Yes ☒ No

Cargo Tank Is Used In Corrosive Service ☐ Yes ☒ No

Capacity By Compartment

Comp. 1 9000 Comp. 2 N/A Comp. 3 N/A Comp.4 N/A Comp. 5 N/A
Comp 6 N/A

Heat Panels Tested ☐ Yes ☒ No Test Pressure N/A

			Reclosing Vents (in PSI)		
Comp.	Design Pressure	Test Pressure	Design	Open	Re-Seat
1	25	45	25	32	28
2					
3					
4					
5					

Nomal Vents Tested ☒ Yes ☐ Nc ☐ Replaced

Complete this prodcedure for each compartment. Remove plug and red flag all vents that relieve at less than test pressure.

	Acceptable	Non-acceptable (See Remarks)
Bench test all reclosing vents removed from tank.....	☒	☐
Pull vacuum test on emergency valve and discharge valve to determine seal integrity before filling tank (RECOMMENDED, NOT REQUIRED).....	☒	☐

Close internal valve, leaving discharge valve open. Close manhole cover and install test fitting at top of tank. Induce air, or an inert gas to 50% of test pressure and hold. Gradually increase pressure in stage of 10% of test pressure until test pressure reached. Hold for 5 minutes with ZERO drop in pressure. Reduce pressure to MAWP, maintain at MAWP and using a soap water solution, inspect entire tank surface and all fittings for leaks..... ☑ ☐

Upper coupler must be dropped to inspect the frame, crossmembers and area of shell and heads that may be covered by the upper coupler. Upper Coupler removed..... ☑ ☐
☑ Yes ☐ No

Remark:

Were weld repairs made to the cargo tank shell or heads ☐ Yes ☑ No
Affected Compartment Pressure Tested After Weld Repair ☐ Yes ☑ No
Nat. Bd. "R" Stamp No. N/A ASME "U" Stamp No. N/A

☑ 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 - Letter 'P'.

Andy Willis
Registered Inspector

CT 13028
Registration Number

8-4-17
Date

Cargo Tank Owner Acceptance

8-8-17
Date

ALTOM Transport, Inc.

UPPER COUPLER INSPECTION FORM

CUSTOMER	ALTOM Transport	TRAILER #	T219	DATE	8-3-17
SERIAL#	31-26269	DOT/MC#	407	MFG	POLAR
YR OF MFG	2002	MATERIAL	5454	CAPACITY	9000 gallons
NO. OF COMPARTMENTS	1	LINING TYPE	N/A		
INSULATED	YES (NO)	LINED	YES (NO)		
MAWP	25	DESIGN PRESSURE	45		

	OK	REPAIRED
1 Remove upper coupler (required)		
Inspect Upper Coupler:		
a. For bowing wear	✓	
b. Excessive road spray or sediment accumulation	✓	
c. Tightness of bolts	✓	
d. Cracks around plate perimeter, and beneath and round King Pin	✓	
e. Gauge King Pin with NO GO guage (replace at 3/32" wear)	✓	
2 Reinstall upper coupler with Grade 8 bolt.	✓	

Remarks:

I certify that the above information is true:

Andy Willis 8-3-17
Name of person performing inspections Print Date

Andy Willis 8-3-17
Name of person performing inspections Signature Date

8-8-17
Signature Owner or Rep

Disposition of cargo tank:

✓ Cargo tank returned to service

____ Cargo tank withdrawn from service

THIS FORM MEETS OR EXCEEDS ALL OF THE REQUIREMENTS OF U.S. D.O.T. REGULATIONS 49 CFR 180.407/180.417

ALTOM Transport, Inc.

4242 S Knox Ave
Chicago, IL 60632

Method 27 - DETERMINATION OF VAPOR TIGHTNESS OF GASOLINE DELIVERY TANK USING PRESSURE - VACUUM TEST

EPA 40FR PART 60 DOT 49CFR [180.407(b) and 180.417]

Cargo Tank Owner ALTOM Transport Date 8-4-17
Owner's I.D. No. T219 MC/DOT No. 407 Year of Mfg. 2002
Manufacturer Name POLAR
Manufacturer Serial No. 1PMA3442631026269
Cargo Tank is jacketed _____ Yes ___X___ No Cargo Tanks is lined _____ Yes ___X___ No
Cargo Tank Transports Corrosive Materials _____ Yes ___X___ No

MAWP 25

TEST PROCEDURE

1. Open and close each dome cover.
2. Connect static electric ground connections to cargo tank. Attach vapor return hose(s) to vapor return line.
3. Attach the test cap to the end of the last vapor recovery hose. Test cap should have a pressure/vacuum inlet, manometer inlet pressure regulator or ball valve. A relief valve would insure safety.
4. Close all discharge valves and open all internal valves.
5. With regulator or ball valve in the closed position, attach pressure source to pressure/vacuum inlet.
6. Slowly open the pressure inlet valve (regulator or ball valve) and slowly pressurize the cargo tanks to 18" or water Column.
7. Close the shut off valve and allow the pressure in the tank to stabilized, adjusting the pressure if necessary to maintain pressure of 18" water column. When the pressure stabilizes, record the time and initial pressure.
8. At the end of 5 minutes, record the time and final pressure.
9. Repeat steps 7 through 9 until the change in pressure for two consecutive runs agrees with 18"+0/-1" criteria. Calculate the arithmetic average of the two results.
10. Compare the average measured change in pressure to the allowable pressure change +0/-1" water column. If the delivery tank does not satisfy the vapor tightness criterion, repair the source of leakage and repeat the pressure until the criterion is met.
11. Disconnect the pressure cource from the pressure vacuum inlet and slowly open the shut off valve to bring the tank to atmospheric pressure.
12. Connect the vacuum source to the pressure vacuum inlet.
13. Open the valve in the test cap. Slowly evacuate the tank to 6" water column.
14. Close the valve and allow the pressure in the tank to stabilize, adjusting the pressure if necessary to maintain +0/-1" vacuum pressure. When the pressure stabilizes, record the time and initial vacuum.
15. At the end of 5 minutes, record the time and final vacuum.
16. Repeat steps 14 through 16 until the change in vacuum for two consecutive runs agrees with criteria 6"+0/1". Calculate the arithmetic average of the two results.
17. Compare the average measured change in vacuum to the allowable vacuum change, +0/-1" water column. If the delivery tank does not satisfy the vapor tightness criterion specified in the regulation, repair the sources of leak and repeat the vacuum test until the criterion is met.
18. Disconnect the vacuum source from the pressure vacuum inlet and slowly open the valve to bring the tank to atmospheric pressure.

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		Time	Pressure Test No. 2		Time
Start Pressure 18	" W.C.	2:50	Start Pressure 18	" W.C.	2:55
Finish Pressure 18	" W.C.	2:55pm	Finish Pressure 18	" W.C.	3:00 PM
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		Time	Vacuum Test No. 2		Time
Start Pressure -6	" W.C.	3:15	Start Pressure -6	" W.C.	3:25
Finish Pressure 5.6	" W.C.	3:20pm	Finish Pressure 5.9	" W.C.	3:30 PM
Change .04	" W.C.		Change .01	" W.C.	

Measured Change From Test 1 to Test 2= .03 " W.C.
Calculate the Arithmetic Average of the Two Tests= 5.75 " 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 specificication 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	CT 13028	8-4-17
Registered Inspector	Registration Number	Date

	8-8-17
Cargo Tank Owner Acceptance	Date

FORM 053SA - METHOD 27 TESTING

T-219

DEPARTMENT OF TRANSPORTATION

CERTIFICATE OF COMPLIANCE

ISSUED BY POLAR TANK TRAILER, LLC

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

Year Fabricated: 2002 Serial No. 31-26269

Manufactured by Polar Tank Trailer, LLC 12810 COUNTY ROAD 17, HOLDINGFORD, MN 56340-9773

CERTIFICATION

☒ Cargo Tank Complies to Specifications No. D.O.T. 407 as Shipped.
CERTIFICATION DATE: 12/02

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

Authorized Signature

Robert Ehrlichmann
Authorized Signature

POLAR TANK TRAILER, LLC

ITEMS NOT INSTALLED AT TIME OF SHIPMENT

above items installed: _____
Date

By: _____
Firm Authorized Signature

F021 7/02 Rev. 1