



Tank & Equipment

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Barrel Description

Model	ATB6 9300-5, Aluminum, Elliptical, Tapered, Baffled, D.O.T. 406 trailer
Code	DOT 406
Capacity	9300 gallons (up to +3% tolerance, 60 gallons minimum)
Compartments	Five (3000/1500/1200/1000//2600)
Shape	Elliptical, tapered, baffled.
Shell Material	Aluminum, .204" bottom, .180" top and sides.
Head and Baffle Material	Aluminum, .250" and .190", Double bulkheads separating compartments four and five.
Operating Pressure	3.3 PSIG
Design Temperature	125 Degrees F.
Overall Length	44'5"
Product	7.5 # per Gallon

Other Barrel Information

* Material Finish	Buffed / Polished finish on shell sides.
* Material Finish	Buffed/Polished finish on front head.
* Material Finish	Buffed/Polished finish on rear head.
* Material Finish	2 Front or Rear head to be hand polished. (Head specified in notes)
Weld finish	W-0 inside

Construction

Rings	No Rings installed.
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Frame		Front to rear aluminum framing. Standard width, Outriggers and pads at front and rear outrigger at landing gear, outriggers as needed to mount accessories.
* Dam Drains		3" dam drain through tank, at rear of trailer, each side.
Overturn Protection		Overturn Protection, full length structural aluminum extrusion each side on top, dams front and rear with transverse, curbside rail doubles as vapor rail
* Manhole	5	Civacon SSVN100010, 16" zinc plated steel cover with 10" offset fill. Includes vapor and sensor holes. Includes NV4000, pressure/vacuum normal vent mounted in 10" relief valve cover.
Gasket	5	Buna-N gasket in cover
Gasket	5	Buna-N gasket in 10" fill
Splash deflector	5	Aluminum, deflector installed over emergency valve.
Capacity indicator		None
Static cable	5	1/8" stainless steel ground wire from manhole to bottom of tank.

Hose Carriers

* Hose Carrier		Aluminum trough 4" high x max width x full length of barrel with reduced center section above discharge area; with brackets. Hose trough doubles as fenders on one side of trailer 1/4" X 1 1/2" heavy duty straps. Width of hose tray to be minimum of 22"
* Carrier Location		Mounted curbside
* Gauge Stick Tube		Aluminum gauge stick tube 2" diameter x 16' long. located within the hose trough on the outer edge, with the end protruding out 3 - 6" into the cutout section of trough

Lights and Wiring

Lights		12-volt, Truck-Lite grommet mount LED lamp system complying to FMVSS. Combination center marker / turn signals, one each side.
Wiring		Plug-in style harness system.
* Wiring		Top wiring and airlines routed through internal drains. NOTE: Wiring and airlines through internal drains may prevent loading of the trailer at certain load rack locations. Customer is responsible to check with all loading facilities they frequent to confirm if wiring and airlines routed through internal drains is acceptable.
Rear Lights		Enclosed in stainless steel light boxes
* Extra Lights		Truck-Lite grommet mount Model 60 LED oval stop light mounted on bracket, at rear.

	Note: Mount off of crossmember.
* Extra Lights	Truck-Lite 81 series, 6 diode, LED, work light, stud mount. No switch included with this option. #81100. Specify location and qty. install by loading head
* Extra Lights	Master switch to operate all work lights or spot lights. Install by work light
* Extra Lights	Truck light, 6' LED light strip light with switch, mounted under hose carrier above discharge area. Mount under hose tray by discharge area
Nose box	Standard 7 way, J560 receptacle without circuit breakers.
Gladhands	Gladhand, Phillips, Quick Release

Undercarriage

Upper 5th Wheel	5/16" Standard duty upper coupler with Heavy duty double hubbed kingpin.
Paint	Fifth wheel plate painted black.
Landing Gear	Jost A440, 2-speed, load bearing, telescopic, with swivel type sand shoe.
Frame	Welded aluminum construction, load bearing.
Bracing	Stainless steel, with cross brace.
Crank location	Crank handle located on roadside
Tire carrier	None.
Suspension	Hendrickson INTRAAX AANT23K tandem axle with 5.75" diameter Hendrickson integrated axles. Axle spacing to be determined by scale.
Dump valve	No dump valve installed
Lift Axle Control	None - no auto lift controls included
Hangers	Galvanized hangers with soft coat applied to axle and trailing arm. For use on aluminum subframe with bolt-on hangers.
Subframe	Aluminum subframe, 38" wide, AANT hanger provisions with aluminum fender supports.
Bumper	D.O.T. code, aluminum, straight, weld-on bumper.
Under-ride Protection	None (no under ride required, Wheels back exempt.)
Beam	Straight axle beam
Track	Axle track, 71.5"

Hub & drums		Hendrickson 5 year warranty, Ready to roll with Duralite hubs, cast drums and semi-fluid grease. OEM slack adjusters, seals, brake chambers and brake lining.
* Brakes	2	Cable drains installed per air tank, specify qty if multi-tank air system.
Anti-lock / Roll stability		OEM Standard 4S/2M with tandem axle roll stability for air-ride suspension.
Air system		Two (2) aluminum tank system. 2800 cu. in. each, meeting FMVSS 121 D.O.T. specifications.
Emission Compliance		NA
Wheels		Original Equipment Manufacturer, 22.5 X 8.25 Aluminum polished wheels
Tires		Original Equipment Manufacturer, 11R-22.5, Load Range G 14 Ply.
Tire pressure system		No tire pressure system included.
* Front		Single contour ribbed front fender. Mounted one side of trailer, hose trough doubles as fender. Note: Mounted roadside.
* Rear		Double contour ribbed rear fender. Mounted one side of trailer, hose trough doubles as fender. Note: Mounted roadside.
* Mud flaps		Customer supplied anti-sail, anti-spray flaps. Mounted on front and rear.

Valving and Piping

Seal provisions		None
Sump	5	4" aluminum drain pocket
* Emergency Valve	5	Civacon 4" VA5182 90 degree aluminum, air operated, Tef-o-Sil seat and victaulic outlet. To simplify piping, a straight valve may be used in place of an elbow style.
* Emergency Valve Operator		Civacon SCP "Civacontrol" air control panel. Emergency closure located at front head curbside, unless otherwise specified.
* EVO Lines		Air tubing
* EVO Location		Mounted in large fitting cabinet. Note: Near top, at front.
Pipe		4" aluminum schedule 10 pipe, with large radius elbows, ending curbside center at aluminum locator bracket with flanged outlet. API spacing at 15" on center. Exceeds API RP1004 recommendations, unless otherwise specified.

Discharge location		Curbside of trailer.
* Outlet valve	5	Civacon 4" openable adaptor with aluminum handle and no sight bubble, 891A.
* Adaptor	5	Civacon 4" aluminum male gravity drop adaptor(s) with cap(s) and chain(s), Buna seal. #871A-AL40.
* Sight glass	5	Jikoh sight glass, mounted prior to outlet. #JDG-105. Compatible with ethanol.

Interlock

* Interlock bar		Aluminum safety bar with lock pin; over centralized discharge and vapor outlets. Activates (1) brake interlock valve
* Interlock valve		Civacon 300 series air interlock valve(s) with push button. Specify quantity and location. Installed on rear vapor outlet

Venting and cleanouts

Cleanouts	None
Caps	None, No caps installed.

Walkway and Ladder

Top center		Non-skid tape, full length of barrel between overturn rails.
Ladder		Aluminum tubular walk through, with serrated rungs and large step, and integral grab handles.
* Ladder Location		Mounted at front head, centered.

Cabinet

* Cabinet		Aluminum cabinet 28" high X 48" wide X 26 1/2" deep, two door cabinet. Note: Mounted to the rear of discharge area, ahead of suspension. Add gas shocks
* Cabinet		One gas shock door opener

Overfill system

* Overfill system		Civacon, ROMLink system with one top optic sensor (per compartment). Includes dual socket box (optic and thermistor sockets with electronic SAF-T ground wire), built-in limit switch at controller, and provision for interlock. System has complete plug-in harness. Note: Mount receptacles and control behind of discharge area, off frame rail. Ref unit 15845. Mount outside box
* Overfill system		Civacon SAF-T ground bolt kit, #GS1000, positive grounding of overfill system. wire to 9 pin

* Overfill system		Civacon electronic serial number.
Vapor Recovery		
Provisions		3" pipe stubs in curbside overturn rail, near manhole.
* Vent		3.5" Civacon T196SV sequential vents, air operated for 16" manhole. Plumbed to Emergency valve operator.
* Line		4" aluminum pipe, through barrel with shear section, with one outlet to curbside over rear of rear fender, one outlet curbside 15" to rear and 15" to front of discharge valve area, 4" outlet. ending in thread
* Adaptor	3	4" x 4" Civacon vapor recovery adapter, 611T-AL40-NPT, with poppet and plastic dust cap.
* Cap	3	4" Civacon Orange 1711T vapor dust cap.
TANK Ai™		
IntelliSECURE		TANK Ai™ - None installed
Miscellaneous		
Decals		Standard warning and safety package. Decals in English.
Conspicuity Tape		Discontinuous tape
Customer Logo		None
Document holder		Truck Lite 97960 Certificate Holder. Install in standard location unless otherwise specified.
Calibration		Computer generated theoretical calibration chart, 1/4" increments. Based on innage.
* Placards		Four Aluminum slide-in on brackets, one mounted each side of trailer. Note: Four total, One mounted curbside of the front head and one at rear of the trailer toward roadside. Roadside and curbside placards standard locations.
Paint		None. No paint or primer installed on trailer.
* Product Indicator	5	Trucknology 8-sided product indicator, TW913. Includes mounting bracket and decals per compartment. Use same commodity labels as serial numbers 110613-110617
* Static studs	6	3/8" brass ground lug #7523 Specify location Note: Two (2) sets, two near discharge and two on top of bumper near curbside. Add two additional ground studs: One near center of hose tray and one at front curbside.
Fire Extinguisher		None
* Cone holder		Aluminum, combination cone and bucket holder with straps to secure both cones and bucket. Note: Mounted to the rear of curbside discharge.

Warranty

Polar standard two year.

Tests

Standard testing.

Drawings

None.