

POLAR
ALUMINUM, ELLIPTICAL, TAPERED, BAFFLED, D.O.T. 406 TRAILER
ATB6 9500-5

14934 - 14936

2017

BARREL DESCRIPTION

Model:	ATB6 9500-5
Code:	DOT 406
Capacity:	9500 gallons (up to +3% tolerance, 60 gallons minimum)
Compartments:	Five (3500/1200/1000/1000//2800)
Shape:	Elliptical, tapered, baffled
Shell Material:	Aluminum, .204" bottom, .180" top and sides
Head & Baffle Material:	Aluminum, .250" and .190", double bulkheads separating compartments four and five
Operating Pressure:	3.3 PSIG
Design Temperature:	125°F
Overall Length:	44' 46"
Product:	7.5# per gallon

OTHER BAREL INFORMATION

Weld finish:	W-0 inside
*Material finish:	Bright polished finish on shell sides
*Material finish:	Bright polished finish on front head
*Material finish:	Front and rear head to be hand polished
*Material finish:	Bright polished finish on rear head

CONSTRUCTION

Frame:	Extruded aluminum, full. Aluminum outriggers and crossmembers at running gear, supports, and 5 th wheel
Dam	
Dam Drains:	Drains through ladder rails
Overturn Protection:	Overturn protection, full length structural aluminum extrusion each side on top, curbside rail doubles as vapor rail
Manhole:	5.00 Betts PPVL816BX, 16" zinc plated steel cover with 10" offset fill. Includes vapor and sensor holes. Includes 6496ALB, pressure/vacuum normal vent mounted in 10" relief valve cover.
*Gasket:	5.00 Viton gasket in cover
*Fill Gasket:	5.00 Viton gasket in fill
Splash Deflector:	5.00 Aluminum, deflector installed over emergency valve.
Capacity Indicator:	None

Static Cable: 5.00 1/8" stainless steel manhole to bottom of tank

HOSE CARRIERS

*Hose Carrier: Aluminum trough 4" high x maximum width x full length, with reduced center at discharge area. Hose carrier doubles as fenders.
*Hose Carrier: 2.00 1" plastic drain hose attached to hose carrier
*Carrier Location: Mounted curbside
*Gauge Stick Tube: Aluminum gauge stick tube 1 1/2" diameter x 16' long. Install in hose trough at front with opening toward rear.

LIGHTS & WIRING

Lights: 12-volt, Truck-Lite LED grommet mount lights.
Combination center marker/turn signals
Wiring: Plug-in style harness system
Rear Lights: Enclosed in stainless steel light boxes
*Extra Lights: Master switch to operate all work lights or spot lights.
*Extra Lights: Betts 315010 swivel floodlight(s) with clear lens. No switch included.
Installed forward of the piping on the curbside
Nose box: Standard 7 way, J560 receptacle with out circuit breakers

UNDERCARRIAGE

Upper 5th Wheel: 5/16" heavy duty with A.A.R. style double hubbed kingpin.
Paint: 5th wheel plate painted gray
Landing Gear: Jost A400 telescopic load bearing, 2-speed
Frame: Welded aluminum construction, load bearing
Bracing: Stainless steel, with cross brace
Crank Location: Roadside
Tire Carrier: None
Suspension: Hendrickson Intraax AANT23K, 23000 lb. tandem axle with standard 49" axle spacing. 5 3/4" diameter Hendrickson integrated axles
Dump Valve: None
*Suspension: Galvanized hangers with soft coat applied to axle and trailing arm. (Bolt-on suspension only)
Subframe: Extruded aluminum, with aluminum fender supports
Bumper: DOT code, aluminum, straight, weld-on
Under-ride Protection: None (no under ride required, wheels back exempt)
Axles:
Beam: Straight
Track: 71 1/2" track
Spindle: P spindles (parallel) same inner and outer bearing
Wheel Seals: Stemco Guardian
Hub & Drums: Walther EMC, hub-piloted, Dura-light hub with cast drum
Miscellaneous: None

Brakes:	S-cam, 16 1/2" x 7", extended service
Anti-lock/Roll Stability:	Meritor 4S/2M with "RSS-Plus", tandem axle roll stability support system for air-ride suspension
Brake Chambers:	TSE 3030
Brake Lining:	Extended service, non-asbestos
Slack Adjusters:	Meritor Automatic
Valves:	Sealco
Gladhands:	Bendix
Air System:	To DOT specifications, two aluminum tank system 2800 cu. In. each
*Wheels:	Alcoa "LvL one" clean buff, 22.5 x 8.25 aluminum disc
*Tires:	11R 22.5 Goodyear G-316
Mud Flaps:	White plastic with Polar logo, mounted front and rear
Fenders	
*Front:	Aluminum contour mounted only on one side of trailer. Hose trough to double as front fender.
*Rear:	Aluminum contour mounted only on one side of trailer. Hose trough to double as rear fender.

VALVING & PIPING

Seal Provisions:	None
Sump:	5.00 4" aluminum drain pocket
*Emergency Valve:	5.00 Betts EV46911ALTS 4" x 4" 90 degree, high flow, aluminum, air operated, Teflon seals and Victaulic outlet, attached to sump. Note: location of Nose Trip - roadside
*Emergency Valve Operator:	Betts air push pull master control AD36098-5ALB
*EVO Lines:	Air tubing
*EVO Location:	Mounted curbside in EVO portion of large cabinet
Pipe:	4" aluminum schedule 10 pipe, with large radius elbows, ending center at aluminum locator bracket with flanged outlet.
Discharge location:	Curbside of trailer
*Outlet Valve:	5.00 Dixon Bayco 4" 5204 openable adaptor(s) with sight glass.
*Adaptor:	5.00 Dixon Bayco 4" aluminum male gravity drop adaptor(s) with cap(s) and chain(s), Baylast seal. #4540

INTERLOCK

*Interlock Bar:	Aluminum interlock bar mounted over curbside discharge area, with interlock valve
*Interlock Valve:	Bayco #5000AI air interlock valve(s) with round button Mount on rear vapor outlet

VENTING & CLEANOUTS

Venting	
Pressure:	None
Vacuum:	None
Cleanouts	None

Caps

None, No caps installed.

WALKWAY & LADDER

Walkway:

Top Center:

Ladder:

Ladder Location:

Non-skid tape, full length of barrel

Aluminum tubular with grip steps and large platform step, bolt on.

Mounted at rear head, centered.

CABINET

*Cabinet:

Aluminum cabinet 28" high x 60" wide x 26 1/2" deep, three door, two compartment cabinet. Two doors on the fitting compartment and one door on the emergency valve operator compartment, held open with gas operated door stays.

OVERFILL SYSTEM

*Overfill System:

Dixon Bayco, Flo-tech FT208, Checkmate Plug-n-Play wire system. Includes dual socket box (optic and thermistor sockets with internal ground bolt). System has complete plug-in harness. Has separate monitor and sockets

VAPOR RECOVERY

Provisions:

*Vent:

*Line:

*Adaptor:

*Cap:

3" pipe stubs in curbside overturn rail, near manhole

3.5" Bayco #VR6030SQ sequential vents, air operated. Plumbed to Emergency valve operator.

4" aluminum pipe, through barrel with shear section, with one outlet to curbside over rear of rear fender and one outlet curbside 15" to front of discharge valve area, 4" thread

2.00 4" x 4", threaded, Bayco vapor recovery adaptor, VR4100, poppet and interlock mount.

2.00 EBW Orange vapor cap, 304-200-02, with chain.

MISCELLANEOUS

Decals:

*Decals:

Conspicuity Tape:

Customer Logo:

Document Holder:

Calibration:

*Placards:

*Paint:

*Product Indicator:

Fire Extinguisher:

Standard warning and safety package

5.00 2" high set(s) of capacity decals mounted above API's. One set per API

Discontinuous 3M Tape

None

Truck-Lite #97960

Theoretical paper chart, in 1/4" increments based on innage

Four aluminum slide-in on brackets, one mounted each side of trailer

None. No paint installed on trailer

5.00 Trucknology, 8-sided product indicator with mounting bracket per compartment

None

*Cone holder:	Aluminum, combination cone and bucket holder with straps to secure both cones and bucket.
Warranty:	Note: Mounted to rear of curbside discharge.
Tests:	Polar standard two year Standard testing.

DISCLAIMER

Specifications are believed to be correct, but may contain errors and/or omissions. Photographs are the representative of the subject equipment but may not be identical. Equipment availability, prices and specifications are subject to change without notice.