



Pricing Administration Use Only				
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Quote Number	Quote Revision	Shop Order Number	Serial Number(s)	Date

Customer Erik Hoskins
 BayState Truck & Trailer
 527 Winthrop St PO Box 430
 Rehoboth , MA, 02769

Base Model Part Number 37207.1

Specified Model Description AVB6 9200-5C6 ST 19 LCG, 3000/1500/1100/1000//2600,3.3 PSI, 180 F, Standard Duty Petroleum Trailer (can replace 2 BFLS with T-rings) 43'6"

A. Vessel

1) Design

Code: DOT 406

Capacity: 9200 gallons plus 3% outage. (Capacities are nominal unless stated otherwise.) 60 gallons is the minimum outage for any size compartment.

Compartments: Five Compartments, front to rear. (3000/1500/1100/1000//2600)

Shape: Elliptical, Straight, 19.59GPI LCG

Shell Material: Aluminum - 5454- alloy. All size / gauges are nominal.
 Top: 0.180
 Sides: 0.180
 Bottom: 0.200

Head and Baffle Material: Single heads between all compartments except double heads between compartments 4 and 5. 0.201 stiffened and shoed front and rear heads. 0.201 stiffened and shoed heads / baffles over kingpin. 0.186 stiffened and shoed baffles over rungear. 0.201 unstiffened compartment heads and 0.186 unstiffened surge heads between compartments.

Operating Pressure: Tested at 5 PSI, rated 3.3 PSIG

Design Temperature: -20 Degrees F. to 180 Degrees F.

Overall Length: 43'6"

Product: Gas, Diesel Fuel, or similar (Customer Responsibility)

B. Construction

1) 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.

2) Dam

Dam Drains: * 3" walkway drains via internal rear aluminum pipe drains, through tank with mesh covers. (N/A for TC-406 code tanks)

NOTE: All wiring/lines to be run along edge of front head. No wiring/lines to be run through internal drains



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.

3) Manhole

5 * Betts PPVL816AX, 16" aluminum cover with 10" offset fill. Includes vapor and sensor holes. Includes 6496ALB, pressure / vacuum vent mounted in 10" relief valve cover.
 Gasket: 5 Buna-N gasket in cover

4) Fill

Gasket: 5 Buna-N gasket in 10" fill

5) Splash deflector

5 Splash shield-vortex breaker over emergency valve.

6) Capacity indicator

None

7) Static cable

5 1/8" stainless steel ground wire from manhole to bottom of tank.
 Connect ground wire with bolts on each end.

8) Rings

No Rings installed.

C. Other Barrel Information

1) Material Finish

* Front or Rear head to be hand polished. (Head specified in notes)
 Rear head to be hand polished.
 Shell Material Finish: Buffed/Polished finish on shell sides.
 Front Head Finish: Buffed/Polished finish on front head.
 Rear Head Finish: Buffed/Polished finish on rear head.

2) Weld finish

W-0 inside

D. Venting and cleanouts

1) Venting

DOT-406 venting in manhole.

2) Cleanouts

None
 Caps: None, No caps installed.

E. Vapor Recovery

1) Provisions

3" black nylon vapor recovery nipples connected to flashing rail. A hose connects the vapor recovery vent to the nylon vapor recovery nipple.



- 2) Vent * 3.5" Betts #AVT3.5ALTS sequential vents, air operated for 16" manhole. Plumbed to Emergency valve operator. Threaded.
- 3) 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.
Rear fender vapor outlet to angle down 15 degrees.
- 4) Adaptor 3 * 4" x 4" Civacon vapor recover adaptor, flanged with poppet. 611F. Specify qty.
- 5) Cap 3 * 4" Civacon Orange 1711T vapor dust cap.

F. Valving and Piping

- 1) Seal provisions None
- 2) Sump
 - 5 4" aluminum drain pocket
 - 2 * Aluminum sump trough.
Drain trough in front and rear compartments
- 3) 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.
- 4) Emergency Valve Operator
 - * Civacon "Civacontrol" air control panel. Emergency closure located at front head curbside.
Mounted in overfill cabinet as follows, top to bottom:
Civacontrol II Air control kit
Overfill monitor
Overfill plugs
 - EVO Lines: Air tubing
 - EVO Location: Mounted in separate EVO cabinet.
Mounted in overfill cabinet as follows, top to bottom:
Civacontrol II Air control kit
Overfill monitor
Overfill plugs
- 5) 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.
 - Flanged Gaskets: All gaskets in discharge piping to be Viton.
 - Couplings: Aluminum coupler on groove-groove connections with Baylast gaskets.



- | | | |
|------------------------|---|---|
| 6) Outlet valve | 5 | Civacon 4" openable adaptor with aluminum handle and no sight bubble. 891A. Specify qty. |
| 7) Adaptor | 3 | * Civacon 4" aluminum male gravity drop adaptor(s) with cap(s) and chain(s), Buna seal. #871A-AL40. |
| 8) Cap | 2 | * Civacon #875C API dust cap with Buna-N gasket. specify qty |
| 9) Sight glass | 5 | * Jikoh sight glass, mounted prior to outlet. #JDG-105. Compatible with ethanol. |

G. Walkway and Ladder

1) Walkway

Top center: Non-skid tape, full length of barrel between overturn rails.

2) Ladder

Aluminum tubular walk through, with serrated rungs and large step, and integral grab handles.
 Ladder Location: * Mounted at front head, centered.

H. Cabinet

1) Cabinet

- * Aluminum cabinet 30" high X 48" wide X 28" deep, two door cabinet without center post.
 Mounted curbside in front of running gear.
- 3 * Door(s) to include C-spring hinge.
- * Aluminum cabinet 30" high X 20" wide X 9" deep, one door cabinet.
 Mounted in front of, and flush with 48" cabinet. Hinge door on left side of cabinet.
 Install rubber bumper on inside of door to close master valve when EVO door closes.
- * with 2" retaining lip
- *^ 4 Aluminum dividers, 1 aluminum shelf. See note for layout.
 (4) Aluminum vertical dividers, 21" H X 21"D at bottom 12" at top, installed in cabinet. (1) Aluminum horizontal shelf, 48" wide X 12" deep sloped to rear 1" with 1" lip at front of shelf toward door installed above dividers. Locate dividers inside of 48" fitting cabinet: Horizontal shelf installed on top of vertical dividers - 21" from floor of cabinet with 1/2" tall lip, DO NOT ROLL LIP OVER, simple bent aluminum lip to retain fittings. Vertical dividers on the bottom section to start 9.5" from left side of cabinet wall, (3) additional dividers separated by 8.5", forming (5) total divided areas of approximately 9.5", 8.5", 8.5", 8.5", 13". Include aluminum tool retainer (3"-4" tall) for bottom section of divided compartments. Upper section of fitting box (on top of horizontal shelf) to be divided with (2) additional dividers, starting from left side of cabinet, forming three upper divided areas of 16", 12", 20". Dividers and shelf to start approximately 4" in from door opening. Diagram to be included.



I. Hose Carriers

1) 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.

Carrier Location: Mounted curbside

2) Gauge Stick Tube

- * Aluminum gauge stick tube 2" diameter x 20' long.
Mounted on curbside rear outrigger. Cap with drain hole at rear, pinned at front.

J. Lights and Wiring

1) Lights

12-volt, Truck-Lite flange mount LED lamp system complying to FMVSS. Combination center marker / turn signals, one each side.

NOTE: Curbside, center marker light to be mounted below and flush with hose tray.

2) Wiring

7-way wiring

NOTE: All wiring/lines to be run along edge of front head. No wiring/lines to be run through internal drains

- *^ Top wiring and airlines routed around front head. No wiring/airlines mounted on rear head or run through internal drains.

3) Rear Lights

Enclosed in Aluminum light boxes, one each side of tank.

- * 2 1/2" Truck-lite LED ID cluster to also function as stop lamps. Light illuminates brighter when brakes are applied.

NOTE: Three conductor harness required for each. Wire each red light in rear dam to the clearance circuit and the stop circuit.

4) Stop Light

- * Strobing Truck-Lite LED Super 60 stop light mounted at rear head, per FMCSA exemption expiring 10/8/2025. Red, Oval, Flange Mount. Approx. 12" below center, or as specified.

NOTE: Strobing brake light to be low mounted in same location as standard brake light.

5) Extra Lights

- * Betts 325503 swivel LED floodlight(s) with 20 amp toggle switch.

Mounted to illuminate discharge area.

NOTE: Light to be 800+ lumen.

- * Two round 4" LED work lights mounted above discharge area. Includes two lights and one common switch.

Switch mounted in EVO cabinet.



6) Nose box

Standard 7 way, J560 receptacle with out circuit breakers.
Location: Nose box mounted lower roadside of front head.

7) Gladhands

Gladhand, Phillips, Quick Release

K. Overfill system

1) Overfill system

- * Dixon Bayco, Flo-tech FT208-390PGSO, Checkmate Plug-n Play two wire system, with one top optic sensor (per compartment). Includes dual socket box (optic and thermistor sockets with internal ground bolt and pressure switch wired to auxiliary. System has complete plug-in harness. Monitor and sockets on one panel.
Mounted in cabinet at follows
Civacontrol II Air control kit
Overfill monitor
Overfill plugs
- * Flo Tech trailer indentification module, FT470.

L. Interlock

1) Interlock bar

Aluminum safety bar with lock pin; over centralized discharge and vapor outlets. Activates (1) brake interlock valve

2) Interlock valve

- * Bayco #5000 air interlock valve with Hobbs switch.
Hobbs switch tied into overfill system to permit overfill system.

M. Chassis

1) Upper 5th Wheel

5/16" Standard duty upper coupler with Heavy duty double hubbed kingpin.

2) Skid Plate

Aluminum skid plate.

3) Landing Gear

- * SAF Holland Atlas 55, 2-speed, load bearing, sealed gear box, 55,000 lbs. rated lift capacity with 10"x10" swivel type sand shoes. Black Armour coating. No Lube, 5 year Warranty.
Bracing: Stainless steel, with cross brace.
Crank location: Crank handle located on roadside
Tire carrier: None.

4) Suspension

Hendrickson INTRAAX AANT23K tandem axle suspension set 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 lift controls included. All suspensions will be fixed.



Suspension 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.
Bumper Overlay:	Straight buffed/polished aluminum bumper overlay full width
Under-ride Protection:	None (no under ride required, Wheels back exempt.)

5) Axles

Beam:	Straight axle beam
Track:	AXLE 71.5" TRACK
Hub & drums:	* Hendrickson 7 year warranty, Ready to roll, Maxx22T disc brakes with Duralite hubs, semi-fluid grease. OEM slack adjusters, seals, brake chambers and brake lining.

6) Brakes

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.

7) Emission Compliance

NA

8) Wheels

Original Equipment Manufacturer, 22.5 X 8.25 Aluminum polished wheels

9) Tires

Original Equipment Manufacturer, 11R-22.5, Load Range G 14 Ply.

10) Tire pressure system

* Hendrickson TIREMAAX PRO tire inflation system 2 axles, RTR

11) Fenders

Front:	Single contour ribbed front fender. Mounted one side of trailer, hose trough doubles as fender.
Rear:	Double contour ribbed rear fender. Mounted one side of trailer, hose trough doubles as fender.

12) Mud flaps

White with Heil logo. Front and rear, HEIL, anti-sail, anti-spray flaps.

N. Miscellaneous

1) Decals

Standard warning and safety package, Complying to FMVSS. HM-183, Vapor and Chevron exhibit "C" Form. Decals in English. Heil nameplate on front end dam and rear bumper.

5 * 3" high set(s) of capacity decals mounted on exterior of vapor rail. One set per compartment.



Install compartment sizes on overturn rails curbside, 3" vinyl numerals denoting compartment sizes in gallons. Install 4" black letting denoting "TMC-9200" on overturn rail CS and SS at rear of trailer.

2) Conspicuity Tape

Discontinuous tape

3) Customer Logo

None

4) Document holder

* Betts PS-1 document holder. Specify Location.
Streetside landing legs.

5) Calibration

Computer generated theoretical calibration chart, 1/2" increments. Based on innage.

6) Placards

* Four Aluminum slide-in on brackets, one mounted each side of trailer.

7) Paint

None. No paint or primer installed on trailer.

8) Product Indicator

- 5 * Trucknology, 8-sided product indicator with mounting bracket per compartment
Unleaded regular, mid-grade, premium, ethanol, diesel, kerosene, vapor, empty.
Mounted on same bracket as laser cut capacity numbers.
- 5 * Capacity laser cut into brackets, attached to API heads.
Mounted on same bracket as product indicators.

9) Fire Extinguisher

None

10) Cone holder

* Aluminum, combination cone and bucket holder with straps to secure both cones and bucket.
Curbside, forward of discharge.

11) Warranty

Heil Trailer Silver Warranty Package.

12) Tests

- Vapor tested and certified to EPA Method 27-CA Air Resources Board standards and manholes sealed.
- 4 * Additional customer requested test paperwork; Includes EPA Method 27 test forms, rack requirement forms, or other verification documents for various states, counties or entities, Please list form requested.
Chevron Exhibit C Form, Motiva wet Test, Phillips 66, Magellan forms with trailer

13) Drawings

* Send customer approval drawing.



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