

Pricing Administration Use Only				
HT-37102.02	02			Form Rev: October 07, 2020
Quote Number	Quote Revision	Shop Order Number	Serial Number(s)	Date

Customer Troy Hradsky

Werts Welding & Tank Service Cardinal stock with air disk brakes

Base Model Part Number 38328.1

Specified Model Description AVB6 9500-4D6 ST 21,3000//1500//2000//3000,3.3 PSI, 180 F, Standard Duty

Petroleum Trailer (Can replace 2 BFLs with T-rings) 43'6"

A. Vessel

1) Design AVB6 9500-4 ST 21, Aluminum, Elliptical, Baffled, D.O.T. 406 trailer, Standard Duty

Petroleum Trailer.

Code: DOT 406

Capacity: 9500 gallons plus 3% outage. (Capacities are nominal unless stated otherwise.)

60 gallons is the minimum outage for any size compartment.

Compartments: Four Compartments, front to rear. (3000//1500//2000//3000)

Shape: Elliptical, 20.83 GPI

Shell Material: Aluminum - 5454- alloy. All size / gauges are nominal.

Top: 0.180 Sides: 0.180 Bottom: 0.206

Head and Baffle Double heads between all compartments. 0.201 stiffened and shoed front and rear

Material: 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. 44" Wide. Outriggers and pads at front and rear,

outrigger at landing gear, outriggers as needed to mount accessories.

2) Dam

Dam Drains: Drains through ladder rails.

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 4 * 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: 4 Buna-N gasket in cover

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4) Fill 4 Buna-N gasket in 10" fill

5) Splash deflector 4 Splash shield-vortex breaker over each emergency valve.

6) Capacity indicator None

7) Static cable 4 1/8" stainless steel ground wire from manhole to bottom of tank.

8) Rings No Rings installed.

C. Other Barrel Information

1) Material Finish

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

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" Bayco #VR6030SQ sequential vents, air operated for 16" manhole. Plumbed to

Emergency valve operator. Threaded.

3) Line * 4" aluminum pipe, at rear of overturn rail down 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.

4) Adaptor 2 * Bayco 4" x 4", vapor recovery adaptor, without poppet and interlock mount. Threaded.

#VR4100NP.

* Bayco 4" x 4", vapor recovery adaptor, with poppet and interlock mount. Threaded.

#VR4100.

Rear VR outlet.

5) Cap 3 * Bayco 4" orange nylon vapor cap, with chain. #VR4050PL.

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F. Valving and Piping

1) Seal provisions None

2) Sump 4 4" aluminum drain pocket

4 * Aluminum sump trough. in each compartment

3) Emergency Valve 4 * Betts EV46911ALTS 4" x 4" 90 degree, internal, hi flow, aluminum, air operated,

Teflon seals and Victaulic outlet, attached to sump. Internal Air Cylinder.

4) Emergency Valve Operator

* Betts Air Control kit includes master control push/pull incorporated into air distributor.

One emergency trip located roadside, front of tank.

Mounted in enclosure cabinet.

EVO Lines: Air tubing.

EVO Location: Mounted in separate EVO cabinet.

5) Pipe 4" aluminum schedule 10 pipe, with large radius elbows, ending center at aluminum

locator bracket with flanged outlet. API spacing at 15" on center. Exceeds API

RP1004 recommendations, unless otherwise specified.

Flanged Gaskets: 4 All gaskets in discharge piping to be Viton.

Couplings: Aluminum coupler on groove-groove connections with Baylast gaskets.

6) Outlet valve 4 * Dixon/Bayco openable API adaptor with aluminum handle and no sight bubble.

#5204NG.

7) Adaptor 4 * Dixon Bayco 4" aluminum male gravity drop adaptor(s) with cap(s) and chain(s), Flat

buna seal. #41440-225AL.

8) Sight glass 4 * 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.

Walkway drains through ladder hand rails at rear.

2) Ladder Aluminum tubular walk through, with serrated rungs and large step, and integral grab

handles

Ladder Location: Mounted at rear head, centered. With step below bumper.

Walkway drains through ladder hand rails at rear.

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Approval Initials _____



H. Cabinet

1) Cabinet

* Aluminum cabinet 30" high X 48" wide X 28" deep, two door cabinet without center

post.

curbside in front of rungear

Includes Betts light

* Aluminum cabinet 30" high X 20" wide X 9" deep, one door cabinet.

Mounted in front of, and flush with 48" cabinet.

This enclosure cabinet contains overfill monitor, receptacles, EV operator.

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. Includes straps.

Carrier Location: Mounted curbside

2) Gauge Stick Tube

* Aluminum gauge stick tube 2" diameter x 16' long.

Mounted inside hose tray, protruding 2" into the recessed section. tube to be welded to tray where it protrudes. Front of tube open with removable pin, rear capped with

small drain hole.

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.

2) Wiring 7-way wiring, with junction boxes.

3) Rear Lights Enclosed in Aluminum light boxes, one each side of tank.

4) Stop Light Truck-Lite flange mount, 60 series, 26 diode LED, oval stop light mounted on rear

head.

5) Extra Lights
* Betts 325503 swivel LED floodlight(s) with 20 amp toggle switch.

on front of enclosure cabinet to illuminate work area.

6) Nose box Standard 7 way, J560 receptacle without circuit breakers.

Location: Nose box mounted lower roadside of front head.

K. Overfill system

1) Overfill system
* Dixon Bayco, Flo-tech FT2804 Checkmate two wire system, one top optic sensor (per

compartment) with one optic and one thermistor socket.

monitor and dual sockets all located in enclosure cabinet.

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L. Interlock

1) Interlock bar Aluminum safety bar with lock pin; over centralized discharge and vapor outlets.

Activates (1) brake interlock valve

* Brake interlock Bayco 5000AIHD valve mounted at outlet.

at rearmost vapor outlet

M. Pump System

1) Hydraulic Lines None

2) Meter None

N. Chassis

1) Upper 5th Wheel 5/16" Heavy duty with A.A.R. style double hubbed kingpin.

2) Skid Plate Aluminum skid plate.

3) Landing Gear Jost A440, 2-speed, load bearing, telescopic, with swivel type sand shoe.

Bracing: Stainless steel, with cross brace.

Crank location: Crank handle located on roadside

Tire carrier: None.

4) Suspension Hendrickson Intraax AANT23K, tandem axle with standard 49" axle spacing. 5.75"

diameter Hendrickson integrated axles.

Dump valve: None

Suspension Hangers: Galvanized hangers with soft coat applied to axle and trailing arm.

Subframe: * Extruded aluminum sub frame, 44 wide, with aluminum fender supports.

Bumper: Aluminum, straight, weld-on. D.O.T. code, per FMVSS223

Bumper Overlay: * Bright mill finish aluminum bumper overlay, full width DOT compliance per FMVSS223

Under-ride Protection: None (no under ride required, Wheels back exempt.)

5) Axles Straight Beam

* Chevron Delo synthetic grease, SF. (Semifluid)

Track: * 77-1/2" track (Requires 44" Wide Subframe.)

Spindle: OEM Standard P spindles (parallel) same inner and outer bearing

Wheel seals: OEM Standard

Hub & drums: * Ready to Roll, Hendrickson MAXX22T air disc brake system. Includes ductile iron

hub, 18/24 air chambers, 415mm rotor and dust shields. Standard service 1 year

warranty.

Miscellaneous: None

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* SEE HUB AND DRUM for brakes. Included in hub and drum option.

Anti-lock / Roll stability: OEM Standard 4S/2M with tandem axle roll stability for air-ride suspension.

Brake chambers: * SEE BRAKES for air chambers. Included with air disc brake option.

Brake lining: * SEE BRAKES for brake lining. Included with air disc brake option.

Slack adjusters: * No slack adjusters required, SEE BRAKES. Included with air disc brake option.

Valves: OEM Standard

Gladhands: Gladhand, Phillips, Quick Release

Air system: Two aluminum tank system. 2800 cu. in. each, or equivalent, meeting FMVSS 121

D.O.T. specifications

7) Emission Compliance NA

8) Wheels Alcoa Ultra One with clean buff finish, 22.5 x 8.25 aluminum.

9) Tires * 11R-22.5 Goodyear Marathon LHT 14-ply radials.

10) 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.

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

O. 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.

2) Conspicuity Tape Discontinuous tape

3) Customer Logo None

4) Document holder * Betts PS-1 document holder.

Mounted streetside on landing leg bracket.

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

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

and one each mounted front and rear

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7) Paint None. No paint or primer installed on trailer.

8) **Product Indicator** 4 * 8 sided product indicator, no aluminum cover.

Belknap: Empty, Prem Unlead, Unlead Plus, Reg Unlead, Diesel, AvGas, Jet Fuel,

Ethanol

9) Fire Extinguisher None

10) Cone holder * Aluminum, combination cone and bucket holder with straps to secure both cones and

bucket.

Curbside in front of piping.

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.

Photos must be taken of weight ticket and installed VIN plates.

Photos and test paperwork to be emailed to:

rjurek@heiltrailer.com troy@wertswelding.com

13) Drawings * Send customer approval drawing.

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