



A035430-A035431
VIN: 183679 & 183678

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Product Hauled: Other



Barrel Description

Model	ACJ7 9500-1 Aluminum, Double conical, Jacketed, DOT 407 trailer
Code	DOT 407
Capacity	9500 gallons (up to +3% tolerance)
Compartments	One
Shape	12 1/2" Double Conical
Shell Material	Aluminum, .249" bottom and 219" sides/top. Two piece barrel with one circumferential welds
Head Material	Aluminum .275"
Operating Pressure	25 PSI
Design Temperature	250 Degrees F.
Overall Length	44'
Product	Various; to be compatible with the materials of construction.

Other Barrel Information

* Baffles	2	.249 aluminum full circle, flangeless
* Baffles	2	5"H x 15"W aluminum baffle tunnel.
Heat		None
Plumbing		None
Intransit		None
Weld finish		W-0 inside

Construction

Rings	Aluminum channel
Longerons	Aluminum channel
Frame	Aluminum

Dam		Aluminum construction
Dam Drains		1-1/2" black polyethylene hoses, each side
Overturn Protection	2	Aluminum box type at spill dam.
Cleanout overturns	2	Aluminum with channel braces
Manhole		OEM 20" stainless steel cover assembly with aluminum collar, six hold-down and manhole stop.
Gasket		White hypalon gasket in cover
Fill		None
Gasket		None
* Splash deflector		Aluminum, .219" thick "Donut style" deflector installed above sump at bottom of tank.
Insulation		Fiberglass, 5" compressed to 4"
Thermometer		0-300 degree F., bulb type
Jacketing		.032 aluminum
Jacket heads		.063 aluminum jacket heads.
Underlayment		None
* Capacity indicator		Provisions for Rochester float with 0-60 psi gauge. Aluminum recessed well.
* Static cable		1/8" stainless steel from manhole to bottom of tank.

Hose Carriers

* Hose Carrier		Aluminum tube 8" diameter x 21' long
* Hose Carrier	2	1" plastic drain hose attached to hose carrier. Located on the rear of the tube and the trough.
* Hose Carrier		8" aluminum door at front
* Hose Carrier		Aluminum trough 4" high x 16" wide x 21' long Hose tray installed on the curbside, Hose tube installed on the roadside.
* Carrier Location		Mounted roadside and curbside rear.

Lights and Wiring

* Lights		12-volt, Truck-Lite flange mount with security rings, LED lamp system complying to FMVSS. Combination center marker / turn signals, one each side.
Wiring		Plug-in style harness system. DO NOT INSTALL WIRING OR AIR LINES ON BARREL. IN STALL ON CHANNEL
* Wiring		Wiring covered with 1.5" x 3" stainless steel channel. bolt channel ILO welding to prevent cracking

Rear Lights		Enclosed in stainless steel light boxes
* Rear Lights		1 additional stop / turn / tail light. Total of 3 lights in each box.
* Extra Lights		Betts clear incandescent 570006 light(s) with clear lens and switch.
* Extra Lights	2	Betts 325503 swivel LED floodlight(s) with 20 amp toggle switch. one at pump area and one at api area
Nose box		Standard 7 way, J560 receptacle without circuit breakers. nose box to be located at mid center of front head
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		Aluminum construction, bolt-on, load bearing
Bracing		Stainless steel, with cross brace.
Crank location		Crank handle located on roadside
Tire carrier		None.
* Suspension		Hendrickson INTRAAX AANT/AANL 23K two axle suspension set, (1) AANT23K fixed and (1) AANL23K lift suspension. Includes 5.75 integrated axles. Axle spacing to be determined by scale.
* Dump valve		Hendrickson manual dump valve AK-68. Specify location in notes.
* Lift Axle Control		Meritor Lift Axle Control paired with Wabco iABS Premium ECU. Auto load sensor raises and lowers lift axle when loading or unloading, includes manual over-ride. FRONT AXLE TO LIFT AS STANDARD, UNLESS OTHERWISE SPECIFIED.
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		Aluminum underride protection. Compliant with FMVSS and CMVSS, including certification label as required.
Beam		Straight axle beam
Track		Axle track, 71.5"

* Hub & drums	Hendrickson 7 year warranty, Ready to roll with Duralite hubs, cast drum and semi-fluid grease. OEM slack adjusters, seals, brake chambers and brake lining.
* Anti-lock / Roll stability	Wabco iABS 2M Standard (4S/2M) anti-lock brakes, (2) axle ABS only - does not include roll stability per customer request.
* Air system	Two (2) aluminum air tank system 2850 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	295/75R-22.5 Cooper RM872, Lo Profile, 14-ply. GHG2 CY 2020. CRR 5.5
* Tire pressure system	Hendrickson TIREMAAX PRO tire inflation system 2 axles, RTR
Front	Aluminum, single contour, ribbed, front fender, each side. ALL FENDERS TO BE BOLTED ON NOT WELDED
Rear	Aluminum, double contour, ribbed, rear fender, each side.
Mud flaps	White, anti-sail and anti-spray with Polar logo, mounted front and rear.

Valving and Piping

* Seal provisions	Seal provisions on all openings
Sump	4" aluminum drain pocket
* Emergency Valve	Civacon VA6182 5" x 4" 90 degree, super flow, aluminum, air operated, Teflon seals and flanged outlet, attached to sump.
* Emergency Valve Operator	Civacon SCP "Civacontrol" air control panel. Emergency closure located at front head roadside, unless otherwise specified.
* EVO Lines	Air tubing
* EVO Location	Mounted in EVO portion of large cabinet.
Pipe	4" aluminum spool piece attached to emergency valve
* Pipe	3" Aluminum, attached to pump outlet, teed to curbside and roadside, ending in 3" Betts wet-r-Dri butterfly valve and 3" outlet. Mounted at support area.
* Pipe	Continue forward to pump inlet with 4" coupler x hose x coupler.
* Pipe	All gaskets in discharge piping to be Teflon envelope.
* Pipe	4" aluminum tee in discharge line to curbside, with flanged outlet. Note: Installed in pump off line.
Discharge location	Curbside of trailer.
* Outlet valve	Civacon 4" openable adaptor with aluminum handle and sight bubble. 891BA. Specify qty.
* Outlet valve	2 Betts 4" aluminum wet-r-dri metering butterfly valve, WD-404-ALV, with viton seals, ending in 4" thread

		Note: Mounted between tee and hose, and behind API adaptor.
* Adaptor		Civacon 4" dual cam style, female gravity drop adaptor with plug and chain, 871B-AL40.
* Adaptor	2	3" aluminum male adaptor, female npt.
* Cap		4" aluminum dust plug.
* Cap	2	3" aluminum dust cap. located at front of pump off line
* Sample Valve / Blow down		3/8" stainless steel ball valve attached to product line, to blow off product. Separate air tank with pressure protection / check valve installed with line attached to ball valve. Note: Locate in pipe between butterfly valve and pump.
* Sight glass		Jikoh sight glass, mounted prior to outlet. #JDG-105. Compatible with ethanol.

Interlock

Interlock bar		No interlock bar installed.
* Interlock valve	2	Civacon 300 series air interlock valve(s) with push button. Specify quantity and location. one at API adapter and one at vapor outlet

Venting and cleanouts

Pressure		None
Vacuum		4" Girard threaded pressure/vacuum vent. DOT4X407LTWV-SVL with provisions for pressure package.
Pressure package		Stainless steel pressurizing package consisting of a Silicone filled pressure gauge, ball valve, stainless steel Chicago coupler and dead end.
* Cleanouts	2	3" aluminum threaded nozzle Installed approx. 10' from each end of the trailer.
* Caps	2	3" T316 solid cap

Pressurizing Line

Pressure Line		None, no pressure line installed.
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Walkway and Ladder

Top center		19" aluminum to cleanouts or approximately 10 feet from each end.
* Curbside dam		No walkway installed.
* Roadside dam		12" aluminum
Ladder		Aluminum tubular with grip steps and large step, bolt on.
* Ladder Location		Mounted roadside.

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.
- * Cabinet Frame extension.

Overfill system

- * Overfill system Civacon, ROMLink "Plug-N-Load" system with one top optic sensor. Includes thermistor socket with electronic SAF-T ground wire, built-in limit switch at controller, and provision for interlock. System has complete plug-in harness.
Note: Probe to be removed and stored when loading or hauling product over 160 degree F.
- * Overfill system 2" aluminum half coupling and plug, for future installation of overfill system
Note: Installed in spill dam. To be used for storage of probe, when probe is removed from vessel.

Vapor Recovery

- * Vent 3" Civacon T196SVCV, 35 PSI, sequential vent, air operated with weld flange.
- * Line 3" aluminum pipe down side with outlet ahead of suspension curbside, 3" outlet
- * Adaptor 4" x 4" Civacon vapor recover adaptor, threaded without poppet. 610T. Specify qty.
- * Cap 4" Civacon Orange 1711T vapor dust cap.

Pump System

- * Hydraulic Lines One 1" and one 3/4" stainless steel line from front to rear of supports with hoses
- * Hydraulic Lines Drum, combination speed and directional control valve.
located at support frame curbside
- * Pump Roper 4" 3548 MBHFRV, pump with relief valve, triple lip seal, and hydraulic motor
- * Pump Installation Installation of Roper/Viking/Blackmere pump.
- * Platform Stainless steel, 1/4" channel mounted vertically between landing gear legs
- Meter None
- Meter Installation None

TANK Ai™

- IntelliSECURE TANK Ai™ - None installed

Miscellaneous

- Decals Standard warning and safety package. Decals in English.
- Conspicuity Tape Discontinuous tape
DO NOT INSTALL ON BARREL



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.
* Calibration	Stainless steel chart in 1/2" increments
* Placards	Four Aluminum slide-in on brackets, one mounted each side of trailer. do not mount on fenders or rivet to jacket and cabinet door
Paint	None. No paint or primer installed on trailer.
Fire Extinguisher	None
Warranty	Polar standard two year.
Tests	Standard testing.
Drawings	None.

DISCLAIMER

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