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Product Hauled: Acid

Barrel Description	
MODEL	SRJ7 5000-1, Stainless steel, Round, Jacketed, D.O.T. 407 trailer
Code	DOT 407
Capacity	5000 gallons (shell full)
Compartments	One
Shape	Straight, Round
Shell Material	T316L Stainless steel, 10 gauge. Two piece barrel with one circumferential weld.
Head Material	T316L Stainless steel, 10 gauge
Operating Pressure	25 PSI
Design Temperature	250 Degrees F.
Overall Length	42' 6"
Product	Various; to be compatible with the materials of construction.

Other Barrel Information	
Baffles	None
Heat	150 PSI working pressure, 3 piece channel welded to bottom of vessel with inlet and outlet.
Plumbing	with traps and 1/2" pressure relief
Intransit	Provisions for intransit, to include ball valves.
Weld finish	W-3 inside. To include manhole, collars, and all nozzles.

Construction	
Rings	Stainless steel channel
Longerons	Stainless steel channel
Frame	Stainless steel
Dam	Stainless steel construction with flat floor and overturn protection. LOCATED AT REAR OF TRAILER

Dam Drains	1-1/2" polyethylene hose, one side
Overturn Protection	Overturn protection included in spill dam.
* Cleanout overturns	Stainless steel overturns with channel braces between.
Manhole	Betts 8310LC, 20" stainless steel cover, six hold-down
Gasket	White hypalon gasket in cover
Fill	None
Gasket	None
Splash deflector	None
Insulation	Fiberglass, 5" compressed to 4"
Thermometer	0-300 degree F., bulb type
Jacketing	22 gauge stainless steel bright finish
Jacket heads	18 gauge stainless steel #3 finish.
Underlayment	None
Capacity indicator	None
Static cable	No static cables installed.

Hose Carriers

* Hose Carrier	Stainless steel trough 10" high x 12" wide x 21' long
* Hose Carrier Door	None.
* Carrier Location	Mounted curbside rear

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.
Rear Lights	Enclosed in stainless steel light boxes
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	Fifth wheel plate painted black.
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.
Frame	Stainless steel construction
Bracing	Stainless steel, with cross brace.
Crank location	Crank handle located on roadside
Tire carrier	None.

Suspension	Hendrickson Intraax AANT23K, 23000 lb., tandem axle with standard 49" axle spacing. 5.75" diameter Hendrickson integrated axles. set suspension 4" ahead of standard
Hangers	Stainless Steel hangers with soft coat applied to axle and trailing arm. (Weld-on suspension only)
Dump valve	AK-54 automatic dump valve (system exhausts the air from the air bags when the glad-hands are disconnected or when the parking brake is activated and automatically refills when glad-hands are reconnected).
Subframe	3/16" stainless steel, with stainless steel fender supports.
* Bumper	D.O.T. code, stainless steel, drop center.
Under-ride Protection	None (no under ride required, Wheels back exempt.)
Beam	Straight
Track	71-1/2" track
Spindle	OEM Standard P spindles (parallel) same inner and outer bearing
Wheel seals	OEM Standard
Hub & drums	Ready to Roll, Dura-light Hub with Cast Drum.
Miscellaneous	None
Brakes	OEM Standard
* Anti-lock / Roll stability	Wabco 4S/2M. Standard roll stability system deleted, per customer request. Wired to auxiliary blue circuit.
Brake chambers	OEM Standard - Long stroke
Brake lining	OEM Standard Extended service, non-asbestos
Slack adjusters	OEM automatic slack adjuster.
Valves	OEM Standard
Gladhands	Gladhand, Phillips, Quick Release
Air system	One aluminum tank system. 2800 cu. in. each meeting FMVSS 121 D.O.T. specifications.
Wheels	Alcoa Ultra One with clean buff finish, 22.5 x 8.25 aluminum.
* Tires	Long Haul Radial 11R-22.5, Load Range G (14 ply) Tire
* Front	Front smooth stainless bright finish contour tandem axle.
* Rear	Rear smooth stainless steel bright finish contour tandem axle.
* Mud flaps	Front and rear, Customer Supplied, anti-sail, anti-spray flaps.

Valving and Piping

Seal provisions	Seal provisions on all openings
Sump	4" stainless steel mounting pad.
* Emergency Valve	Betts CH47003SST-017 4" T316 internal hydraulic, with tef-sil o-ring and Teflon seat, attached to sump.

Emergency Valve Operator	Betts hydraulic pump, #HP-46982ALSL.
* EVO Lines	Stainless steel hydraulic line with front roadside emergency shut off.
EVO Location	mounted at rear.
* Pipe	4" x 3" 90 degree stainless steel elbow with 3" stainless steel spool piece between elbow and outlet valve, attached to emergency valve. angle down at a 45 degree outlet to clear bumper when hose is connected
Discharge location	Rear of trailer.
* Outlet valve	Betts 3" T316 stainless steel gate valve, SSG-1013, flange x flange, ending in 3" thread
* Sample Valve / Blow down	3/4" stainless steel ball valve on stainless steel nozzle install right after gate valve and point straight down
* Adaptor	3" stainless steel NPT reducer to 2" adaptor
* Cap	2" stainless steel dust cap

Venting and cleanouts

Pressure	None
Vacuum	4" Betts Guardian RVC4ST-25 combination vacuum pressure vent.
Pressure package	Stainless steel pressurizing package consisting of a Silicone filled pressure gauge, ball valve, stainless steel Chicago coupler and dead end.
* Cleanouts	3" stainless steel flanged nozzle x blind flange ASME LOCATED IN SPILL DAM FOR FUTURE VAPOR RECOVERY
* Cleanouts	2 3" stainless steel threaded nozzle LOCATED AT FRONT OF TRAILER, One located in spill dam for pressure package.
* Caps	3" T316 solid cap

Pressurizing Line

* Pressure Line	1" stainless steel from front to rear, with hard piping at spill dam with a union at each end of the tee.
* Pressure Line	2 1" stainless steel 1/4 turn coupler(s) and dead end(s).
* Pressure Line	2 1" Wilkerson filter(s) one at front and rear of trailer
* Pressure Line	2 1" stainless steel ball valve. Note: One mounted at front and one at rear of pressurizing line.
* Pressure Line	2 4" pressure gauge(s), 0-60 psi.

one at each end of pressure line

Walkway and Ladder	
Top center	19" aluminum to cleanouts or approximately 10 feet from each end.
Curbside dam	12" aluminum
* Side Walkway	12" aluminum mounted at approximately 3:00, approximately 8' long. Note: 3:00 position is standard unless width of walkway exceeds the overall width of trailer, then walkway must be adjusted upward. Specify position if other than standard is requested. Includes stop rails at each end of walkway unless other is selected under "Dual safety handrails" section. located on curbside full length of dam
* Dual safety handrails	Stainless steel handrail, fixed, with chain at ladder. Approximately 10' long.
* Ladder	Stainless steel tubular mounted at rear angled 45 degrees towards barrel. Dual safety rails at angle to ladder rail.
* Ladder	Stainless steel tubular from 3:00 to top, bolt on Note: Mounted ahead of spill dam for access to top walkway.
* Ladder Location	No access provided to top of trailer. LADDER LOCATED AT REAR OF TRAILER
Cabinet	
Cabinet	None. No Cabinet installed.
Overfill system	
Overfill system	None
Vapor Recovery	
Vent	None
Line	None
Adaptor	None
Cap	None
Pump System	
Hydraulic Lines	None
Meter	None
Meter Installation	None
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.
Calibration Chart	Stainless steel chart in 1/4" increments
* Placards	Four Stainless steel slide-in, 80SST, on stainless steel brackets, one mounted each side of trailer.
* Paint	None. No paint installed on trailer.
Passivate	None
Fire Extinguisher	None
Warranty	Polar standard two year.
Tests	Standard testing.
Drawings	None.