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Barrel Description

Model	SRJ7 7000-1, T316L Stainless steel, Round, Jacketed, D.O.T. 407 trailer
Code	DOT 407
Capacity	7000 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	30 PSI
Design Temperature	300 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. (can not be used on a 12 ga. belly)
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
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Longerons		Stainless steel channel
Frame		Stainless steel
Dam		Stainless steel construction with flat floor and overturn protection.
Dam Drains		1-1/2" polyethylene hose, one side
Overturn Protection		Overturn protection included in spill dam.
Cleanout overturns	2	Stainless steel
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	2	Aluminum tube 8" diameter x 21' long
Hose Carrier Door	2	8" aluminum door, at rear
Carrier Location		Mounted roadside and 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" Standard duty upper coupler with Heavy duty A.A.R. style double hubbed kingpin.
Paint		Fifth wheel plate painted black.

Landing Gear	Jost A440, 2-speed, load bearing, telescopic, with swivel type sand shoe.
Frame	Stainless steel construction
Bracing	Stainless steel, with cross brace.
Crank location	Crank handle located on roadside
Tire carrier	None.
Suspension	Hendrickson Intraax AANT23K, tandem axle with standard 49" axle spacing. 5.75" diameter Hendrickson integrated axles.
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).
Hangers	Stainless Steel hangers with soft coat applied to axle and trailing arm. (Weld-on suspension only)
Subframe	3/16" stainless steel, with stainless steel fender supports.
Bumper	D.O.T. code, stainless steel, straight, weld-on.
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. Standard service 1 year warranty.
Miscellaneous	None
Brakes	OEM Standard
Anti-lock / Roll stability	OEM Standard 4S/2M with tandem axle roll stability for air-ride suspension.
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.
Emission Compliance	NA
Wheels	WHL ALCOA ULTRA ONE, 22.5 X 8.25 HIGH POLISH

Tires	11R-22.5 Cooper RM872, 14-ply. GHG2 CY 2020. CRR 5.8
Front	Aluminum, single contour, ribbed, front fender, each side.
Rear	Aluminum, double contour, ribbed, rear fender, each side.
* Mud flaps	OEM Mudflaps

Valving and Piping

Seal provisions	Seal provisions on all openings
Sump	4" stainless steel mounting pad.
Emergency Valve	Betts CH46955SST 4" x 3" T316 external hydraulic, with Teflon seat and flanged outlet, attached to sump.
Emergency Valve Operator	Betts hydraulic pump, #HP-46982ALSL.
EVO Lines	Copper hydraulic line to front roadside frangible.
EVO Location	mounted at rear.
Pipe	3" stainless steel spool piece.
Discharge location	Rear of trailer.
Outlet valve	Betts 3" T316 stainless steel hydrolet valve, QR-713-SST, QRB, flange x thread, with 90 degree outlet.
Adaptor	3" stainless steel male adaptor.
Cap	3" stainless steel dust cap.

Interlock

Interlock bar	No interlock bar installed.
Interlock valve	No interlock valves installed.

Venting and cleanouts

Pressure	None
Vacuum	4" Betts Guardian RVC4ST 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 3" stainless steel threaded nozzle
Caps	3 3" T316 solid cap

Pressurizing Line

* Pressure Line	1" stainless steel from front to center spill dam, with jumper hose at spill dam.
* Pressure Line	1" Wilkerson filter(s)
* Pressure Line	2 1/2" pressure gauge(s), 0-60 psi.

* Pressure Line	1" stainless steel ball valve.
* Pressure Line	1" stainless steel 1/4 turn coupler(s) and dead end(s).

Walkway and Ladder

Top center	19" aluminum to cleanouts or approximately 10 feet from each end.
Curbside dam	12" aluminum
Ladder	Stainless steel tubular with grip steps and large step, bolt on
Ladder Location	Mounted curbside

Cabinet

Cabinet	None. No Cabinet installed.
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Overfill system

Overfill system	None
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Vapor Recovery

* Vent	3" Stainless Steel hydraulically operated 90 degree Vapor Recovery Valve located in spilldam with 2" Stainless Steel Pipe from spilldam down the roadside of the barrel, following the radius of the barrel to 90 degree elbow facing to the rear. 2" Stainless Steel pipe from elbow to roadside rear fender terminating in Stainless Steel Ball Valve, Pressure Gauge, Stainless Steel Part "A" adapter and cap.
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 Aluminum slide-in, riveted to jacket, one mounted each side of trailer.
Paint	None. No paint or primer installed on trailer.
Passivate	None
Fire Extinguisher	None
* Warranty	OEM Warranty
Tests	Standard testing.
Drawings	None.