



Polar Tank Trailer

12810 County Road 17
Holdingford, Minnesota 56340, USA
Office: (320)746-2255 Fax: (320)746-2937

<http://www.polartank.com>

Quote #: PT-58649.01

To: Littlejohn Tank and Equipment
Inc.
1720 Union Street
Spartanburg, SC, 29302

Attn: Thomas Turnbull

Phone: 864-573-9314

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Email: thomas@littlejohninc.com

Product Hauled: Asphalt

Barrel Description

Model	SZJH 7700-1 201LN, Round, Jacketed, Hot product trailer, 49 CFR 173.247
Capacity	7700 gallons (shell full)
Code	Non-code / 49 CFR 173.247
Compartments	One
Design Temperature	500 Degrees F.
Head Material	201LN Stainless steel, 10 gauge.
Operating Pressure	Atmospheric
Overall Length	42' 6"
Product	Asphalt
Shape	Straight, Round
Shell Material	201LN Stainless steel, 7/10 gauge barrel. Three piece barrel with two circumferential welds.

Other Barrel Information

Baffles	2	10 gauge 201LN stainless steel full circle, flanged
* Heat		Burner tube system with all components for turn key operation. Includes 60 gallon propane/LPG tank, tube, burner, valves, regulator, tank mounting brackets, and exhaust stack with damper.
Plumbing		None
Intransit		None
Weld finish		W-0 inside

Construction

Rings	Stainless steel channel
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Longerons		12 gauge Stainless steel channel
Frame		Stainless steel frame
Expansion Joint		Expansion joint between kingpin and landing gear
Dam		Stainless steel construction with flat floor and overturn protection.
Dam Drains		1-1/2" polyethylene hose, one side
Overturn Protection	2	Overturn protection included in spill dam.
Apron		.090 aluminum approximately 5" fore and aft of spill dam, from 3:00 to 9:00
Cleanout overturns		None
Manhole		20" stainless steel cover, single hold-down
Gasket		Teflon hot product gasket in cover
Fill		None
Gasket		None
Splash deflector		Stainless steel, deflector installed under manhole at bottom of tank.
Insulation		Fiberglass, 5" compressed to 4", with high temperature hold outs.
Thermometer		50-550 degree F., bulb type
Jacketing		.032 aluminum
* Jacketing		.032 aluminum, pre-painted black jacketing for center section only. Does not include jacket heads or belly pan.
Jacket heads		.063 aluminum jacket heads.
Underlayment		None
* Capacity indicator		24" stainless steel marker rod with 3 stainless steel discs, located in manhole.
Static cable		No static cables installed.

Hose Carriers

* Hose Carrier	Aluminum trough 4" high x 8" wide x 14' long
* Carrier Location	Mounted curbside

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



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Nose box	Standard 7 way, J560 receptacle without circuit breakers.
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	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 5.75" diameter Hendrickson integrated axles. Axle spacing to be determined by scale.
Dump valve	Hendrickson 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.
Lift Axle Control	None - no auto lift controls included
Hangers	Stainless Steel weld on hangers with soft coat applied to axle and trailing arm.
Subframe	3/16" Stainless steel subframe, 38" wide with stainless fender supports.
* Bumper	D.O.T. code, stainless steel, drop center.
Under-ride Protection	No Underride included
Beam	Straight axle beam
Track	Axle track, 71.5"
Hub & drums	Hendrickson 5 year warranty, Ready to roll with Duralite hubs, cast drums and semi-fluid grease. OEM slack adjusters, seals, brake chambers and brake lining.
Anti-lock / Roll stability	Wabco 4S/2M with "RSS-Plus" roll stability support system for tandem (2) axle airride suspension set.
Air system	One (1) aluminum tank system. 2850 cu. in. meeting FMVSS 121 D.O.T. specifications.
Emission Compliance	NA
Wheels	Original Equipment Manufacturer, 22.5 X 8.25 Aluminum polished wheels



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Tires	Original Equipment Manufacturer, 11R-22.5, Load Range G 14 Ply.
Tire pressure system	No tire pressure system included.
Front	Aluminum, single contour, ribbed, front fender, each side.
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	None
Sump	None
Emergency Valve	Betts 4" mild steel asphalt valve, RH45919-MSA, welded in rear head ending in 4" threaded outlet.
Discharge location	Rear of trailer.
* Outlet valve	Betts 4" mild steel gate valve, FG-1004, flange x thread
Adaptor	4" Iron male adaptor.
Cap	4" iron dust cap
Sample Valve / Blow down	3/4" stainless steel ball valve on mild steel nozzle, attached to rear outlet elbow.
Suction Line	3" mild steel suction line from rear sump to over front fender, curbside, with Betts 3" FB-743-MSA mild steel Integral Hydrolet T-style valve ending in 3" thread.
Adaptor	3" iron male adaptor.
Cap	3" iron dust cap.

Venting and cleanouts

Venting	Insulated stainless steel asphalt free breathing vent, mounted in spill dam.
Pressure package	None
Cleanouts	None
Caps	None, No caps installed.

Walkway and Ladder

Top center	None
Curbside dam	12" aluminum
Ladder	Aluminum tubular with grip steps and large step, bolt on.
Ladder Location	Mounted curbside

Cabinet

Cabinet	None. No Cabinet installed.
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Pump System

* Hydraulic Lines	Two 1" stainless steel lines from front to support area, no hoses. Front of lines at bottom center of front head directed forward. Lines to be mounted on curbside. Note: Run on curbside.
* Hydraulic Lines	Combination speed and directional control valve.
* Hydraulic Fittings	Inlets and outlets to end with Gates fittings, dust cap and plug. Fitting #G94511-1616 male & #G94521-1616 female.
* Pump	Roper 3622MBHFRV for asphalt with aluminum gaskets, stainless steel relief valve spring, .02: undersize gear OD, and teflon impregnated "asphalt" packing, includes Char-lynn (6.2 cu. in.) hydraulic motor.
* Pump Installation	Installation of Roper/Viking/Blackmere pump.
* Platform	Stainless steel, 38" x 46", at supports
Meter	None
Meter Installation	None

TANK Ai™

IntelliSECURE	TANK Ai™ - None installed
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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.
Placards	None
Paint	None. No paint or primer installed on trailer.
Warranty	Polar standard two year.
Tests	Standard testing.
Drawings	None.