

SPECIFICATIONS

42m3 Tridem

Barrel Description

Model	SCX7 11000-1, High Gross, T316L Stainless Steel, Double Conical, Exterior Ring, DOT 407 Trailer. (For Tri-drive application)
* Code	BUILT TO TC-407 (FOR CANADIAN USE ONLY.) ***THIS TC CODE SUPERCEDES THE DOT CODE.***
Code	DOT 407
Capacity	11000 gallons (shell full)
Compartments	One, with partition dividing tank. (5500/5500)
Shape	13" Drop Double Conical
Shell Material	T316L Stainless steel, 10 gauge barrel. Two piece barrel with one circumferential weld.
Head Material	T316L Stainless steel, 8 gauge heads, Bulkhead partition dividing tank.
Operating Pressure	25 PSI / 10 HG
Design Temperature	125 Degrees F.
Overall Length	45'
Product	Crude

Other Barrel Information

* Baffles	2.00 8 gauge T316L stainless steel full circle, flangeless One in each compartment
Weld finish	W-0 inside

Construction

Rings and Longerons	
Rings	Stainless steel channel
Longerons	Stainless steel channel



Frame		Stainless steel large taper, 10 gauge cross members over kingpin and undercarriage.
Dam	2.00	Stainless steel construction, for High Gross weight.
<i>Dam Drains</i>	2.00	1-1/2" polyethylene hoses, each side
<i>Overturn Protection</i>	4.00	Stainless steel box type at spill dam, High Gross Weight.
* Cleanout overturns	2.00	Stainless steel
* Manhole	4.00	Polar 20" stainless steel cover, six hold-down with manhole stop. (2) used as cleanouts in baffle areas.
* <i>Gasket</i>	4.00	White hypalon gasket in cover
Fill		None
<i>Gasket</i>		None
Splash deflector		None
Insulation		None
Thermometer		None
* Capacity indicator	2.00	Titan TD-80 probe with digital display. Calibrate in Cubic meters per inch.
Static cable		No static cables installed.

Hose Carriers

* Hose Carrier		Stainless steel trough 5" high x 16" wide x 23' long
* <i>Carrier Location</i>		Mounted roadside rear

Lights and Wiring

Lights		12-volt, Truck-Lite LED grommet mount lights. Combination center marker / turn signals.
* Wiring		Truck-Lite 50 series style harness system with junction box.
* Wiring		Wire and air lines mounted with rubber coated stainless steel clips.
Rear Lights		Enclosed in stainless steel light boxes
* Rear Lights		1 additional LED stop / turn / tail light. Total of 3 lights in each box. Center turn amber
* Extra Lights		Light(s) in cabinet
* Extra Lights	2.00	Truck light #81360, LED work light. No switch included with this option. Locate near landing gear roadside and curbside facing rearward.
* Extra Lights		Master switch to operate all work lights or spot lights. locate roadside in cabinet at front
Nose box		Standard 7 way, J560 receptacle with out circuit breakers.

Undercarriage



Upper 5th Wheel	3/8" Heavy duty with A.A.R. style double hubbed kingpin.
* <i>Paint</i>	Fifth wheel plate painted polyurethane. Polar grey
* Landing Gear	Holland Mark V 2-speed, no-lube, standard with Black Armour metal treatment.
<i>Frame</i>	Stainless steel construction
<i>Bracing</i>	Stainless steel, with cross brace.
<i>Crank location</i>	Roadside
<i>Tire carrier</i>	None.
* Suspension	Hendrickson Intraax AAT25K, 25000 lb., tri axle with 60" axle spacing. 5 3/4" diameter Hendrickson integrated axles.
* <i>Dump valve</i>	None
* Suspension	Hendrickson load scale system. Liquid filled pressure gauge connected to air springs and mounted in gauge box. Scale operates when bags are inflated, no intermediate control. Includes PSI to pounds conversion chart and stainless steel gauge box, with manual dump valve.
* Suspension	Haldex "ILAS" two Integrated Lift Axle System for Canadian Auto Load Sensor, mounted on suspension. Auto load sensor raises and lowers lift axle when loading or unloading. Includes manual over-ride. Lifts approximately 4" high.
* <i>Subframe</i>	1/4" Stainless steel, 44" wide, with stainless steel fender supports.
* <i>Bumper</i>	Canadian, D.O.T. code, stainless steel, straight.
* <i>Under-ride Protection</i>	Canadian Stainless steel under ride protection. Bolt on.
* Tow hooks	(2) 1" bar stock, mild steel, welded at rear of sub frame.
Axles	
<i>Beam</i>	1.50 Straight
* <i>Track</i>	1.50 77-1/2" track (Requires 44" Wide Subframe.)
<i>Spindle</i>	1.50 P spindles (parallel) same inner and outer bearing
<i>Wheel seals</i>	1.50 Stemco Guardian
<i>Hub & drums</i>	1.50 Walther EMC, hub-piloted, Dura-light hub with cast drum
<i>Miscellaneous</i>	1.50 None
* <i>Miscellaneous</i>	1.50 Dust shields
Brakes	1.50 S-cam, 16 1/2" x 7", Extended Service.
* <i>Anti-lock / Roll stability</i>	Meritor 2S/1M. Standard roll stability system deleted, per customer request.
<i>Brake chambers</i>	1.50 TSE 3030
<i>Brake lining</i>	1.50 Extended service, non-asbestos
<i>Slack adjusters</i>	1.50 Meritor automatic
<i>Valves</i>	Sealco



	<i>Gladhands</i>		Tramec
	<i>Air system</i>		To D.O.T. specifications, two mild steel tank system. 2800 cu. In. each.
*	Wheels	1.50	Alcoa "LvL one" clean buff 24.5 x 8.25 aluminum disc
*	Tires	1.50	11R-24.5 Bridgestone R268 14-ply radials
	Mud flaps		White plastic with Polar logo, mounted front and rear.
	Fenders		
*	<i>Front</i>	1.50	Front stainless steel #3 finish contour tandem axle Note: For tridrive tractor.
*	<i>Rear</i>		Rear 16 gauge stainless steel #3 finish 177" straight tri-axle

Valving and Piping

	Seal provisions		None
	Sump	2.00	4" Betts stainless steel mounting pad. MOUNT 36 INCHES APART-- USE PAN STYLE SUMPS
*	Emergency Valve	2.00	Betts EV46227SSTS 4" x 4" 90 degree T316 stainless steel internal air operated, with Tefsil seats and flanged outlet, attached to sump. curbside
	Emergency Valve Operator		
*	<i>EVO Lines</i>	2.00	Air operator near outlet. Emergency closure located at front head. One set for front valves, one set for belly valves. Locate in cabinet off to the rear side
*	<i>EVO Location</i>		mounted at roadside support frame. locate in cabinet
*	Pipe	2.00	4" stainless steel spool piece. curbside, ending with valve adapter and cap
*	Pipe		Two compartment. 4" T316 stainless steel schedule 10, internal pump off lines. From center sumps, through front of head with two 4" Challenger flo Air-open / Spring-close butterfly valves with elbows directed toward center of head and manifolded with 4" gate valve side of tee directed up with 4" butterfly valve ending in adapter and cap. Line from rear sump through front head at bottom of head curbside, line from front sump through front head at bottom of head roadside.
	<i>Discharge location</i>		Curbside of trailer.
*	Outlet valve	2.00	4" butterfly valve, Challenger, manual, ending in thread.
*	Adaptor	2.00	4" stainless steel male adaptor, female npt.
*	Cap	2.00	4" stainless steel dust cap

Venting and cleanouts

	Venting		
*	<i>Pressure</i>		None



*	<i>Vacuum</i>	2.00	4" Girard threaded pressure / vacuum vent .#DOT4X407LTWVSP, w/10" HG vac setting pressure package installed in nozzle for combo vent
*	<i>Pressure package</i>	2.00	3/4" stainless steel pressurizing package consisting of a pressure gauge, ball valve, stainless steel Chicago coupler and dead end.
	<i>Equalization Line</i>		4" Stainless steel pressure equalization line, mounted at top of barrel, between two compartments.
*	Cleanouts		None.
*	Caps		None.

Walkway and Ladder

Walkway

	<i>Top center</i>		None
*	<i>Curbside dam</i>		No walkway installed.
*	<i>Side Walkway</i>		12" aluminum mounted at 3:00, approximately 42' 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.
*	<i>Dual safety handrails</i>		Aluminum handrail, fixed, with chain at ladder
	Ladder		Stainless steel tubular with grip steps and large platform step, bolt on LOCATE LADDER FORWARD TOWARDS LANDING GEAR.
	<i>Ladder Location</i>		Mounted curbside

Cabinet

*	Cabinet		Stainless steel cabinet insulated, 24" high X 72" wide X 55" deep with 4 doors, mounted at center of trailer.
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Overfill system

	Overfill system		None
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Vapor Recovery

*	Vent		3" Challenger 10CN4NUC100 iron butterfly valve, air operated, with nickel plated disc and stainless steel shaft, Buna seat.
*	Line		3" stainless steel pipe down rear head turned to rear, 3" thread
*	Line		3" butterfly valve, Challenger, manual, ending in thread.
*	Adaptor		3" stainless steel male adaptor, female npt.
*	Cap		3" stainless steel dust cap.

Miscellaneous

Decals	Standard warning and safety package.
Conspicuity Tape	Discontinuous 3M tape
Customer Logo	None
Document holder	Truck Lite #97960
Calibration	Theoretical paper chart, in 1/4" increments based on innage.
* Placards	Four Aluminum slide-in on brackets, one mounted each side of trailer.
* Paint	Polyurethane on all carbon steel parts polar standard grey
Passivate	None
Fire Extinguisher	None
Warranty	Polar standard two year.
Tests	Standard testing.
* Hose Holder	Stainless steel hose hook on top front head of trailer for product hose, pivotal.
* Canadian Import and Inspection Fees	Canadian Brokerage and Transport Canada Fee.