



MAC LTT, Inc
 1400 Fairchild Ave
 Kent, Ohio 44240

MAC LTT Manufacturing, Inc
 1430 US Highway 87 E
 Billings, MT 59101

MAC LTT Stainless Division
 2253 Enterprise Drive
 Mt Pleasant, MI 48858

SPECIFICATIONS

MAC LTT Model:	SRJ-700-1-2-407	Date:	11/22/2021
	7000 Gallon DOT407	Date Revised:	
	Straight Round	Revision:	1
	One Compartment	Quote Number:	
	Tandem Axle	Year Model:	2023
		Number of Units	1
		Serial Number(s):	TBD
		Sales Contact:	
		Reference Unit:	
		End User:	
SALES ORDER NUMBER:	TBD	ESTIMATED WEIGHT:	TBD

A General

1 Trailer Type	Stainless Steel
2 Code	DOT-407
3 Overall Length in Feet	45
4 Shape	Straight Round with Slope to the Rear
5 Operating Pressure	25 PSI
6 Max. Product Density	16 lbs./ U.S. Gallon
7 Max. Loading Temp.	250° F max. Operating Temperature
8 Product(s)	Various Chemicals compatible with design of tank
9 Warranty	Standard Three (3) Year Limited Warranty
10 Fifth Wheel Height	Standard 49"
11 Additional Regulation	None-Optional
12 Wheelbase	Engineering to Design to Optimize Payload
13 Road Design Application	Designed for on-road use only

B Barrel

1 Compartment(s)	One (1) compartment
2 Capacity	7,000 U.S. Gallons
3 Baffles	None-Optional
4 Shell	10 Gauge manufactured T316LSS - 2B Finish
4a Shell Finish	2B Finish
5 End Heads	10 Gauge manufactured T316LSS - 2B Finish, Dished, Butt Welded
5a Head Finish	2B Finish
6 Bulkheads	N/A
7 Manway(s)	One (1) Betts 8310-LC 20" Full Opening, 6 Lug, located near center of the tank, hinged to front
7a Manway Gasket(s)	White Hypalon
8 Weld Finish	W-3 inside. W-0 outside.
9 Cleanout(s)	Two (2) 3" Threaded nozzles on top centerline with solid caps and lanyards.
10 Liner	None-Optional
11 Insulation	6" Fiberglass compressed to 5"
12 Jacketing	22 gauge Bright SS with lapped seams
Jacket Heads	18 gauge Bright SS with lock seam
13 Underlayment	24" wide, .080 aluminum on top, centerline, full length of trailer
14 Thermometer	One (1) 0-300 degree clip on type on curbside near center, at approximately eye level

C Structure

1 Reinforcing Rings	Continuously welded stainless steel rings, per DOT requirements.
2 Frame	Stainless Steel Frame at suspension, landing gear, and upper coupler plate area.
3 Barrel Supports	Stainless Steel Outriggers and Crossmembers at Load Bearing Areas
4 Overturn Protection	Stainless Steel overturn protection per DOT specifications
5 Overturn Drain(s)	Two (2) 1 1/2" external drain hoses

D Running Gear		
1	Suspension	Hendrickson Intraxx AANT23K, 23,000 lb.
1a	Axle Spacing (inches)	49"
1b	ZMD Ride Bags	None-Optional
2	Axles	71 1/2" Track with 5.75" diameter; HP Spindles with Same Inner and Outer Bearings.
3	Number of Axles	Two (2)
4	Lift Axle(s)	None-Optional
4a	Ride Height Control	Standard Hendrickson Height Control Valve
5	Hub(s)	Dura-Light 10 Stud Hub Piloted, 11 1/4" B.H.C.
6	Drum(s)	Cast 16 1/2" x 7", 10-Stud Outboard Mount Drums
7	Dump Valve	Push/Pull Valve with Auto Reset mounted in Control Cabinet
8	Brakes/Brake Chambers	23,000# Rating with S-Cam 16 1/2" x 7", 2.5" stroke, 3030 Chambers, and Non-Asbestos Linings
9	Dust Shields	None-Optional
10	Slack Adjusters	Automatic
11	Warranty	Hendrickson Extended Life System "HXL5" with Federal Mogul Hub Seals, Dual Dynamics Aluminum Hubcaps and Hendrickson 5-year Limited Warranty.
12	Gladhands	Standard Service and Supply
13	ABS	Wabco 4S/2M System Wired to Blue Wire with Rear Malfunction Warning Light near the front of Roadside rear fender, facing forward
14	Roll Stability System	ABS with Roll Stability System
14a	Diagnostic Cable	None-Optional
15	Air System	To DOT and FMVSS Specifications with Steel Air Tanks
16	Tank Drain/Dryer	Petcock Valve at bottom of each Tank
17	Suspension Frame	Stainless Steel with weld on Hangers
18	DOT PHMSA Bumper	One (1) Stainless Steel rectangular tube, per PHMSA specifications
19	Bumper Overlay	None-Optional
20	DOT NHTSA Bumper	One (1) Stainless Steel square tube, per NHTSA specifications
21	Rear Closeout	None-Optional
22	Tow Hook	None-Optional
E Tires/Wheels		
1	Wheels	Accuride Accu-Lite with Extra Polish
2	Tires	11R22.5 Brand and Ply based on availability (BF Goodrich, Bridgestone, Goodyear, General, Yokohama)
3	Number of Tires	Eight (8)
4	Tire Inflation System	None-Optional
5	Hubodometer	None-Optional
6	Load Gauge	None-Optional
7	Tire Chan Holder(s)	None-Optional
8	Tire Carrier	None-Optional
F Fenders		
1	Fenders-Front	Two (2) Aluminum Contour
1a	Closure Plate	None-Optional
2	Fenders-Rear	Two (2) Aluminum Contour
3	Mudflaps	MAC LTT Mudflaps on Rear of Front and Rear Fenders
3a	Anti-Sail	Standard MAC LTT Fabricated Anti-Sails installed where necessary
4	Spray Guard	None-Optional
G Landing Gear		
1	Landing Gear	Jost AX150 Alumilight Landing Gear
2	Crank Location	Roadside
H Upper Fifth Wheel		
1	King Pin Plate	Bolt-on, adjustable plate with hubbed kingpin
2	Pick-Up-Plate	Stainless Steel Pick-Up-Plate Installed if necessary
I Ladder/Platform/Walkway		
1	Ladder(s)	Stainless Steel Bolt-On Ladder with platform type top step, located on Roadside at spilldam
2	Safety Hand Rails	Hand Rails outside of Main Ladder Rails
3	Top Walkway	12" Wide Grip Strut on three sides of spill dam 19" wide aluminum expanded metal on top centerline from spilldam, extending to cleanouts
4	Fall Protection	None-Optional

J Cabinet(s) & Components		
1	Tool Cabinet(s)	None-Optional
2	EVO Cabinet(s)	None-Optional
K Hose Carrier(s)		
1	Hose Carrier(s)	Two (2) 8" x 21' aluminum hose tubes with doors at rear
2	Hose Carrier Location	One (1) Curbside and One(1) roadside at rear
L Venting & Vapor Recovery System		
1	Relief Vent(s)	<p>Betts RVP3NT-25 pressure relief vent with Teflon seals and wear components, located on a 3" threaded nozzle inside of spilldam. One (1) per compartment.</p> <p>Betts RVV3ST vacuum breaker with teflon seals and wear components, located on a 3" threaded nozzle inside of spilldam. One (1) per compartment.</p>
2	Pressure Package	3/4" stainless steel pressurizing package consisting of a pressure gauge, ball valve, stainless steel Chicago coupler and dead end in Spilldam. One (1) per compartment.
3	Discharge Vent(s)	None-Optional
4	Recovery Piping	<p>Betts CH46819-SSTS tee style vapor recovery valve, located on a 3" threaded nozzle inside 3" threaded nozzle inside of spilldam. One (1) per compartment. Connections at following locations:</p> <p>Curbside: 2" threaded ball valve, stainless steel camlock adapter & dust cap</p> <p>Roadside: Pressure gauge in spilldam. 2" piping down road side of tank, routed to road side rear terminating with a pressure gauge, stainless steel ball valve, 2" camlock adapter and dust cap.</p>
5	Air Injection Line	Stainless Steel air line routed from curb side front fender with ball valve and pressure gauge. Line turned up and into spilldam with jumper hose to connect to air inlet. Both ends equipped with 1" Chicago fitting.
5a	Air Injection Filter	Air Filter installed in injection line
N Valving/Piping/Hose		
1	Outlet(s)	One (1) 4" Stainless Steel mounting pad at bottom of vessel, near the rear
4	Equipment Warranty	Betts/Dixon Super Tanker (5-year Warranty Package)
5	Discharge Valve(s)	One (1) Betts CH47003SST internal chemical hydraulic valve with Betts shear elbow pointed to rear
6	Discharge Controls	Betts hydraulic pump located at rear, on roadside frame rail
7	Emergency Valve Closure	Fusible and frangible plug located at road side front of trailer. Fusible plug located at emergency valve
8	Piping	3" flanged stainless steel spool piece
10	Front Pump-off Line	None-Optional
11	Outlet Valve(s)	One (1) Betts QR713SST QRB Hydrolet Valve with 90 degree outlet, pointed to rear.
12	Sight Glass	Sight Bubble on API Valves
13	Adapter(s)/Cap(s)	3" Stainless Steel cam style adapter and dust cap with plastic coated cable
14	Secondary Discharge(s)	None-Optional
15	Security Seal Provisions	Seal provisions on all openings that are intended to be opened and closed frequently.
17	Flanged Gaskets	Teflon Envelope gaskets on all flanged connections
O Pump		
1	Pump	None-Optional
2	Pump Piping	None-Optional
3	Hydraulic Lines	None-Optional
4	Flow Control	None-Optional
5	Platform	None-Optional

Q Wiring

1	Nose Box	Nose Box with J560 7-Way Plug and Circuit Breakers Located Low Roadside at Front
2	Light System	Truck-Lite LED Junction Box Lighting System with Front Markers, Combination Side Center Turn/Marker Lights, and Three (3) Upper Clearance/Stop
3	Lamp Mounting	Grommet Mounted
4	Light Boxes	Two (2) Stainless Steel Light Boxes on the Rear of the Trailer with Two (2) Red Stop/Marker Lamps and One (1) Amber Turn with Rear Side Marker Lights.
5	Wide-Turn Light(s)	None-Optional
6	Work Light(s)	None-Optional
6a	Work Light(s) Operator	N/A
7	Cabinet Light(s)	N/A
8	Backup Lights	None-Optional
9	Backup Alarm	None-Optional
10	Extra Light(s)	None-Optional

S Paint/Decals

1	Corrosion Resistance	Electrolysis barrier between all dissimilar metals.
2	Conspicuity	2" wide retroreflective tape per NHTSA Requirements.
3	Decals	Standard Safety/DOT-407 Warning and Safety Decals
4	Customer Decals	None-Optional
5	Emergency Drain Decals	Four (4) 3" diameter round DOT decals, (1) curbside and (1) roadside on horizontal centerline on each end head.
6	MAC Logo	Standard Black MAC Logo Placards

T Other/Options

1	Document Holder	Document Holder installed on Roadside, near landing gear frame.
2	Static Cable	1/8" Stainless Steel Static Cables, Double Looped, One (1) Each Compartment.
3	Placards	Four (4) Aluminum Slide-in Placard Holders. One (1) per side
4	Safety Cone/Bucket Holder	Dual Safety Cone and Bucket Holder mounted near Discharge Area
5	Fire Extinguisher	None-Optional
12	Calibration	Theoretical Calibration Chart - 1/4" Increments
14	Bicycle Guard	None-Optional
17	Standard Inspections	Initial Annual DOT Inspection, External Visual, Internal Visual, Pressure, and Leakage Tests.
18	Additional Inspections	None-Optional
20	Backup Camera	None-Optional
21	Approvals	3D Model and Design Review available upon Customer Request