



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:	ACJ-850-1-2-407	Date:	12/2/2021
	8500 Gallon DOT407 Aluminum	Date Revised:	
	Double Conical	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	Aluminum
2 Code	DOT-407
3 Overall Length in Feet	44
4 Shape	Double Conical with 12" Pitch to Center
5 Operating Pressure	25 PSI
6 Max. Product Density	13 lbs./ U.S. Gallon
7 Max. Loading Temp.	250° F max. Operating Temperature
8 Product(s)	Biodiesel, Ethanol, Denatured Alcohol, Refined Fuels, and etc.
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	8,500 U.S. Gallons (Shell Full)
3 Baffles	Two (2) 1/4" 5454 Aluminum Baffles, with bottom center hole/drain, 3" holes at 9, 12, & 3 o'clock positions; Equally spaced in vessel.
4 Shell	Two Section Aluminum 5454-H32 Barrel
4a Shell Finish	Enhanced Finish
5 End Heads	5454 0 Temper AL Flanged & Dished Heads
5a Head Finish	Enhanced Finish
6 Bulkheads	N/A
7 Manway(s)	One (1) 20" DOT-407 Aluminum Manway Assembly located near center
8 Weld Finish	W-0 Inside and Outside - Free of Weld Spatter and Weld Smoke
9 Cleanouts	Two (2) 3" Threaded nozzles on top centerline with solid caps and lanyards
11 Insulation	4" Fiberglass Compressed to 3" 1# Density with Insulation Boxes between Manholes
12 Jacketing	Natural Aluminum Side Sheets and Jacket Heads
13 Underlayment	None-Optional
14 Thermometer	0 to 300° F Bulb Type with Clear Cover Near Center on Curbside per Compartment.

C Structure

1 Reinforcing Rings	3" Wide Aluminum External Rings fully welded to Shell
2 Frame	Heavy Duty Aluminum Frames at Upper Coupler, Landing Gear and Suspension
3 Barrel Supports	Aluminum Outriggers and Crossmembers at Load Bearing Areas
4 Overturn Protection	DOT-407 Aluminum around Manhole and Per Required Items
5 Overturn Drain(s)	1-1/4" Polyethylene Hoses on Each Side

Initials: _____

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
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 Roadside Forward of Suspension Frame
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
12	Gladhands	Phillips or Equivalent
13	ABS	Wabco 4S/2M System Wired to Blue Wire with Rear Malfunction Warning Light
14	Roll Stability System	ABS with Roll Stability System
14a	Diagnostic Cable	None-Optional
15	Air System	Aluminum Air Tanks
16	Tank Drain/Dryer	Petcock Valve at bottom of each Tank
17	Suspension Frame	Aluminum
18	Bumper	Aluminum Extruded
19	Bumper Overlay	None-Optional
20	Underride Protection	None when DOT 12" Wheels Back Exemption Applies
21	Rear Closeout	None-Optional
E Tires/Wheels		
1	Wheels	Hub Piloted 10 Hole Aluminum Disc
2	Tires	Goodyear Marathon RSS 11R22.5 16 Ply
3	Number of Tires	Eight (8)
4	Tire Inflation System	None-Optional
5	Hubodometer	None-Optional
6	Load Gauge	None-Optional
F Fenders		
1	Fenders-Front	Two (2) Aluminum Contour
2	Fenders-Rear	Two (2) Aluminum Contour
3	Mudflaps	MAC LTT Mudflaps on Rear of Front & Rear Fenders
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	5/16" Upper Plate with Hubbed Kingpin.
2	Pick-Up-Plate	Aluminum Pick-Up-Plate Installed if necessary
I Ladder/Platform/Walkway		
1	Ladder(s)	Dual Step Aluminum Bolt-On Ladder located on Curbside for access to Manhole
2	Safety Hand Rails	Hand Rails outside of Main Ladder Rails
3	Top Walkway	12" Wide Aluminum Gripstrut Walkway around three sides of spill dam and 19" Gripstrut out to Cleanouts.
4	Fall Protection	None-Optional
J Cabinet(s) & Components		
1	Tool Cabinet(s)	One (1) Aluminum Cabinet, 24" Wide x 24" High x 24" Deep with Aluminum Side Hinged Door. Mounted curbside forward of suspension.
2	EVO Cabinet(s)	One (1) 30" High Single Door Box with Overfill System and Emergency Valve Controls mounted on Curbside Forward of Discharge Area.
K Hose Carrier(s)		
1	Hose Carrier(s)	Two (2) 8" x 21' Long AL hose tubes mounted Curbside Rear with Door(s) at Front
2	Trough Cover(s)	None-Optional
3	Gauge Stick	None-Optional

L Venting & Vapor Recovery System		
1	Relief Vent(s)	DOT407 Pressure and Vacuum Vent(s), 25 PSI MAWP
2	Pressure Package	None-Optional
3	Discharge Vent	Crude-Style Sequential 3.5" Vapor Valve installed inside Spilldam
4	Recovery Piping	3" SCH40 Aluminum line from Vapor Valve Through Tank with 3" Aluminum Grooved Coupling Connection and Tee'd with outlets Ending on: Curbside near Discharge and Curbside Rear above Lightbox
5	Adapter & Cap	Vapor outlet(s) equipped with 4" flanged non-poppeted vapor adapter & 4" orange cap.
N Valving/Piping/Hose		
1	Outlet(s)	One (1) 4" Aluminum Drain Pocket at Bottom each compartment
2	Splash Deflector	Bolt-on Splash Deflector above each Emergency Valve
4	Equipment Warranty	5 Year Component Warranty with either Betts/Dixon-Bayco SuperTank or Civacon System V
5	Discharge Valve(s)	Elbow or Straight Air Operated Emergency Valves with Flanged Outlet and AL Body
6	Dicharge Controls	Installed in EVO Cabinet with Air Tank Pressure Gauge
7	Emergency Valve Closure	Remote Emergency Closure located at Front Head Roadside.
8	Piping	4" Sch40 Aluminum Piping to Curbside
10	Front Pump-off Line	None-Optional
11	Outlet Valve(s)	API Valves with Aluminum Handle and Viton seals per compartment.
12	Sight Glass	Sight Bubble on API Valves
13	Adapter(s)/Cap(s)	4" Aluminum Male Gravity Drop Adapter with 4" Aluminum Dust Cap
14	Secondary Discharge(s)	None-Optional
15	Security Seal Provisions	None-Optional
16	Product Indicators	None-Optional
17	Flanged Gaskets	Viton or Equivalent Gaskets used on all Flanged Connections
18	Grooved Gaskets	Baylast or Equivalent Gaskets used on all Grooved Connections
21	Brake Interlock Valve(s)	One (1) Brake Interlock Valve Mounted on Each Vapor and Discharge Outlet(s)
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
P Capacity Controls		
1	Overfill System	Overfill System with a Top Probe in each manhole
2	Sockets	Dual Optic and Thermistor sockets with vinyl caps in Curbside Control Cabinet
3	Top Sensor Settings	Top sensors set to provide a 60 gallon minimum vapor space in each compartment.
4	Bottom Retain	None-Optional
5	Overfill Operation	Pressure switch to allow permit when all vapor vents are open
6	Identification Module	Installed in Dual Socket Assembly
7	Static Studs	Two (2) Brass Studs on 1-3/16" centers installed at Landing Gear on Curbside
8	Ground Bolt/Ball	Ground Wire Installed in Each Socket Assembly

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 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) Aluminum 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)	One (1) Grote Worklight mounted on toolbox facing discharge area.
7	Cabinet Light(s)	Install One (1) LED Strip Light in each Cabinet
8	Backup Lights	None-Optional
9	Backup Alarm	None-Optional
10	Extra Light(s)	None-Optional
11	Closeout Light Panels	None-Optional

R T.A.L.K- Total Area Lighting Kit

4	T.A.L.K- LIGHTED REAR HEAD	No
5	T.A.L.K- LIGHTED LADDER	No

S Paint/Decals

1	Corrosion Resistance	Electrolysis barrier between all dissimilar metals.
2	Conspicuity	DOT 3M Tape per N.H.T.S.A. Requirements.
3	Decals	Standard Safety/DOT-406 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 MAC Logo Placards on Vapor Rails and Rear Bumper
7	Pin Striping	Black or Selected from Color Options

T Other/Options

1	Document Holder	Document Holder installed on Roadside, near landing gear frame.
2	Static Cable	None-Optional
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, EPA Method 27, 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