



1400 Fairchild Ave; Kent, OH 44240

SPECIFICATIONS

MAC LTT Model ACX-8400-1-407

200 BBL Crude Oil Tank	Date: 12/3/2021
Double Conical	Date Revised:
One Compartment	Quote Number:
Tandem Axle	Year Model: 2023
	Serial Number:
	Sales Contact:
	Reference unit:
	End User:

A General

1 Trailer Type	Aluminum
2 Overall Length in Feet	44
3 Shape	Double Conical with 12" Pitch to Center
4 Code	DOT-407
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)	Crude Oil
9 Warranty	One (1) Year Limited Warranty
10 Fifth Wheel Height	Standard 49"

B Barrel

1 Compartment(s)	One (1) Compartment
2 Capacity	8,400 U.S. Gallons (Shell Full)
3 Baffle(s)	Four (4) 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	0.249" 5454 H32 Aluminum-Mill Finish (Top, Sides, and Bottom) Two Piece Barrel
5 End Heads	5454 0 Temper Aluminum Flanged & Dished Heads
6 Bulk Head(s)	N/A
7 Weld Finish	W-0 inside. Outside welds to be free of weld smoke and spatter.
8 Manway(s)	One (1) 20" DOT-407 Aluminum Manway Assembly located near center
9 Cleanout(s)	3" aluminum roll over cleanout sumps with blind flanges; Four (4) evenly spaced across top and One (1) on each side at Center
10 Liner	Internal Spray-on Liner suitable for Crude, Brine Water, Septic, Leachate, and Etc. Mac LTT, Inc does not install or warrant liner
11 Insulation	None-Optional
12 Jacketing	None-Optional
13 Underlayment	None-Optional
14 Thermometer	None-Optional
15 Heat	None-Optional

C Structure

1 Reinforcing Rings	3" Wide Aluminum External Rings fully welded to Shell
2 Frame	Aluminum Frame at suspension, landing gear, and upper coupler plate area.
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

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D Running Gear

1	Suspension	Hendrickson Intraxx AAT25K, 25,000 lb with 49" axle spacing.
2	Axles	77 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	Hendrickson MAXX22T Disc Brakes include DuraLite Hubs
6	Drum	N/A
7	Dump Valve	Push/Pull Valve with Auto Reset mounted Roadside Forward of Suspension Frame
8	Brakes and Chambers	Hendrickson MAXX22T Disc Brakes with Wabco 18/24 Brake Chambers
9	Dust Shields	Sealed Dustshield (Standard Disc Brakes)
10	Slack Adjusters	N/A - Integral with Disc Brake Option
11	Warranty	Hendrickson Extended Life System "HXL5" with Federal Mogul Hub Seals
12	Glandhands	Phillips or Equivalent
13	ABS	Wabco 4S/2M System Wired to Blue Wire with Rear Malfunction Warning Light
14	Roll Stability System	None-Optional
15	Air System	To D.O.T. Specifications with Aluminum Air Tanks
16	Tank Drain/Dryer	None-Optional
17	Suspension Frame	High-Tensile Carbon Steel Galvanized Chassis
18	Bumper	Heavy duty DOT-407 Carbon Steel Galvanized
19	Bumper Overlay	None-Optional
20	Underride Protection	None when 12" Wheels Back Exemption Applies
21	Rear Closeout	None-Optional
22	Tow Hook	One (1) Heavy Duty 3/4" centered Tow Hook, mild steel, welded at rear of subframe

E Tires/Wheels

1	Wheels	Hub Piloted 10 Hole Aluminum Disc
2	Tires	Goodyear Marathon RSS 11R22.5
3	Number of Tires	Eight (8)
4	Tire Inflation	None-Optional
5	Tire Carrier	None-Optional

F Fenders

1	Fenders-Front	Two (2) Aluminum Contour
2	Fenders-Rear	Two (2) Aluminum Contour
3	Mudflaps	MAC LTT Mudflaps at Rear of Front and Rear Fenders

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" Heavy-Duty Galvanized Upper Plate with Hubbed Kingpin.
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I Ladder/Platform/Walkway	
1 Ladder(s)	Aluminum Bolt-On Ladder located on Roadside for easy access to Manhole Area
2 Safety Hand Rails	Double Hand Rails outside of Main Ladder Rails
3 Top Walkway	None-Optional
J Cabinet(s) & Components	
1 Cabinet(s)	One (1) 18" High x 36" Wide X 18" Deep Aluminum Cabinet forward of suspension subframe on Roadside. One (1) 14" x 14" x 7" Aluminum Evo Cabinet, mounted Roadside near landing gear
K Hose Carrier(s)	
1 Hose Carrier(s)	Two (2) 8" x 21' Long AL hose tubes; One Each Side at Rear with Doors at Front and Rear
L Venting & Vapor Recovery System	
1 Relief Vent(s)	4" TTMA Flanged Mounted 407 Pressure/Vacuum Vent, 25 PSI MAWP
2 Pressure Package	3/4" stainless steel pressurizing package consisting of a pressure gauge, ball valve, stainless steel Chicago coupler and dead end.
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 and out belly terminating with a shear section and routed to both Roadside and Curbside
5 Adapter & Cap	Each outlet equipped with 2.5" 0-60 PSI Pressure Gauge, 3" BFV, and AL Dust Cap
6 Vapor Drain	Install 1/4" Ball Valve directed down in Vapor piping on Both Sides.
N Valving/Piping/Hose	
1 Outlet(s)	One (1) 4" Aluminum Drain Pocket located at bottom center
2 Splash Deflector	Bolt-on Splash Deflector above each Emergency Valve
4 Equipment Warranty	Betts/Dixon-Bayco and Civacon Component Warranty Packages Available
5 Discharge Valve(s)	Elbow Air Operated Emergency Valve with Flanged Outlet and AL Body facing Forward
6 Discharge Controls	Installed in EVO Cabinet with Air Tank Pressure Gauge
7 Emergency Closure	Emergency Closure located at Front Head Roadside.
8 Piping	4" Sch40 Aluminum Cross from Emergency Valve with Piping to Curbside and Roadside
9 Pump-off line	4" Aluminum Piping from Cross with 4" Isolation BFV for Future Pump
10 Outlet Valve(s)	4" Butterfly Valve with Metering Handle
11 Sight Glass	Aluminum Caged Sight Flow Indicator.
12 Adapter(s)/Cap(s)	4" Camlock Adapter and Dust Cap
13 Secondary Discharge(s)	None-Optional
14 Seal Provisions	None-Optional
15 Flanged Gaskets	Cork-N-Buna Gaskets on all flanged connections.
16 Grooved Gaskets	Baylast or Equivalent Gaskets used on all Grooved Connections
O Pump System	
1 Pump	None-Optional
2 Pump Piping	None-Optional
3 Hydraulic Lines	None-Optional
4 Flow Control	None-Optional
5 Pump Platform	None-Optional
7 Hose Hanger	None-Optional

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P Capacity Controls

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| 1 | Overfill System | None-Optional |
| 2 | Sockets | None-Optional |
| 7 | Static Studs | Two (2) Brass Studs installed at Landing Gear on Roadside |
| 9 | Ground Cables | Mount Pipe and Coiled Style, One (1) Mounted Roadside, and One (1) mounted Curbside Roadside and One (1) Near Second Ring from Rear on Roadside |
| 10 | Capacity Gauging | Titan Finch II Liquid Level Gauge to Include Readout in Operator Box on Roadside at Landing Gear. Pump Shutdown at 200 Barrels |

P Wiring

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| 1 | Nose Box | Nose Box with J560 7-Way Plug and Circuit Breakers Located Low Roadside at Front |
| 2 | Light System | LED Lighting System with Front Markers, Combination Side Center Turn/Marker Lights, and Three (3) Upper Clearance/Stop |
| 3 | Lamp Mounting | Stainless Steel Security Rings |
| 4 | Light Boxes | Two (2) Aluminum Light Boxes on the Rear of the Trailer with Two (2) Red Stop/Marker Lamps and One (1) Red Marker/Turn with Rear Side Marker Lights. |
| 5 | Wide-Turn Light(s) | None-Optional |
| 6 | Work Light(s) | Four (4) Grote LED work lamp, Two per side at Discharge Area with switch in Cabinet. |
| 7 | Cabinet Light(s) | Install One (1) LED Cabinet Light with Switch in Each Cabinet. |
| 8 | Backup Lights | None-Optional |
| 9 | Backup Alarm | None-Optional |
| 10 | Extra Light(s) | None-Optional |

Q Paint/Finish

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| 1 | Coatings | Any Steel Parts Not Painted will be Hot Dipped Galvanized (Hangers, Upper Coupler...) Axle and Trailing Arm Factory Painted with Soft Coat Grey. |
| 2 | Corrosion Resistance | Electrolysis barrier between all dissimilar metals. |
| 3 | Conspicuity | DOT 3M Tape per N.H.T.S.A. Requirements. |
| 4 | Decals | Standard Safety/DOT-407 Decals |
| 5 | Customer Decals | None-Optional |
| 6 | Drain Decals | Four (4) 3" diameter round DOT decals, (1) curbside and (1) roadside on horizontal centerline on each end head. |
| 7 | MAC Logo | Standard MAC Logo Decals |

R Other/Options

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|---|--------------------------|--|
| 1 | Document Holder | Document Holder Mounted on Roadside at Landing Gear. |
| 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 | Bucket Holder | None-Optional |
| 5 | Shovel Holder | None-Optional |
| 6 | Fire Extinguisher | None-Optional |
| 7 | Centrifuge | None-Optional |