



1430 Highway 87 East
Billings, MT 59101



SPECIFICATIONS

MAC LTT Mfg. Aluminum Hot Oil Body Tank

A General

1	Tank Type	Aluminum straight elliptical hot oil body tank.
2	Design	(4) Bolster mount with slope to rear.
3	Overall Length	N/A
4	Specification	DOT 173.247
5	Max. Product Density	8.5 lbs./ U.S. gallon
6	Max. Loading Temp.	375° Fahrenheit max operating temperature
7	Product(s)	Hot Oil Products
8	Warranty	Three year limited warranty.

B Barrel

1	Compartment(s)	(1) 4200
2	Capacity	4,200 gallons +3% outage. (4,340 gal shell full) Various capacities available.
3	Baffles	(3) .250" 5454-0 flanged aluminum baffles with large center hole, 3" holes at 9, 12, & 3 o'clock positions and large drain tunnel at bottom.
4	Shell	5454-H32 aluminum with .188" sides, top and .250" mill finish bottom.
5	End Heads	.250" 5454-0 aluminum flanged & dished heads, mill finish.
6	Dome Cover(s)	(1) Solimar 20" Model 39 (single latch) series manhole in each compartment. Modify handle on lid to be similar to large wing nut for ease of operation.
7	Overturn Protection	Crows nest centered on shell to house lids and vent box with insulated floor. Slope crownest floor to drain.
8	Insulation	6" Microlite w/thermo breaks for all shell appurtenances.
9	Outer Jacket	.032" aluminum jacketing; .125" dished end heads
10	Ramp Guards	.125" aluminum, 30" x 143", no lip on bottom. Center on crowsnest. Install non-skid tape on ramp gaurds.

C Valving and Discharge Piping

1	Sump(s)	4" aluminum drain pocket at rear head.
2	Discharge Valve(s)	(1) Flush valve w/3" male quick coupler and cap angled to curbside.
3	Emergency Valve Operator	N/A.
4	Emergency Valve Closure	N/A.
5	Piping	N/A.
6	Venting	MAC LTT full flow type box on top in crows nest with hinged lid for top access to vent box (reference job 3894). Terminate vent box drain 1" above catwalk drain. DO NOT install screen on vent pipe at bottom of tank.

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7	Pump	None-optional.
8	Pump/Suction Line	None-optional.
9	PTO	None-optional.
10	Sample Valve	(1) 3/4" Valve on discharge valve.
F Trim		
1	Document Holder	None-optional.
2	Capacity/Level Indicators	None-optional.
3	Marker Rod	None-optional.
4	Placards	Slide-in type placard holders.
5	Temperature Gauge(s)	0-500° Fahrenheit gauge.
6	Splash Deflector	Chinese Hat type at bottom under fill hole.
7	Cleanouts	(3) 3" cleanout with recessed covers. (1) in each segment not accessible from manhole.
8	Cone/Bucket Holder	None-optional.
9	Chock Blocks	None-optional.
10	Fire Extinguisher	None-optional.
11	Chain Hanger	None-optional.
12	Bumper	Steel DOT Bumper.
13	Hitch	Hitch supplied and installed by the truck dealer.
14	Mounting	Tank truck body to be Installed and final assembly completed by MAC LTT Manufacturing, Inc. Customer to supply dimensional data and weight data for customer supplied truck chassis prior to production. Relocation of truck appurtenances subject to additional charge.
G Cabinet(s) & Components		
1	Cabinets/Tool Box	None-optional.
H Hose Carrier(s)		
1	Hose Carriers	None-optional.
I Ladder/Platform/Walkway		
1	Ladder	Bolt-on aluminum at rear with non-slip steps and 3 rungs on top step. Note: Terminate bottom of ladder above internal valve on rear head.
2	Platform(s)	1" grab rail on each side of walkway from ladder to crow's nest.
3	Top Walkway	.125" smooth aluminum with non-skid tape, full length.
J Fenders		
1	Fenders-Rear Tandem	25" ribbed aluminum, full tandem, double radius, 96" wide with mudflaps at rear, mounted to truck frame.
2	Fenders-Lift Axle	11" wide smooth, mill finish, Pederson aluminum fenders mounted on lift axle.
P Air and Electrical		
1	Tail Lights	(3) LED tail lights in aluminum light housing per side.
2	Backup Light	None-optional.
3	Center Stop Light	None-optional.
4	Marker Light:	(1) LED marker light per side on front bolster. (1) LED marker light per side on rear light housing (high profile).

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5	Midship Turn Light:	None-optional.
6	ICC Identification Light	(1) LED 3 light I.D. cluster on top of rear head. (dual function)
7	License Light	Streetside rear
8	Backup Alarm	None-optional.
9	Work Light(s)	None-optional.
10	Extra Lights	None-optional.

Q Paint and Finish

1	Paint	Steel parts sand blasted, primed and painted.
2	Color	Black.
3	Conspicuity	At rear of tank only per DOT requirements.
4	Decals	Standard safety, DOT, warning and safety decals.
5	Calibration	Theoretical calibration with charts in 1/4" increments.
6	Inspections	Inspections and labels in accordance with DOT requirements.
7	Tests	Standard PIKV
8	Refinery Exhibits	None-optional.