

ENVIROTANKERS TANK TRUCK SPECIFICATION SHEET (USA)

DESCRIPTION:	Double walled aluminum petroleum truck mounted tank. Secondary containment of 110% of tank volume at front and rear of tank.
DESIGN:	Oval , 64"x95.5" head size, meeting DOT 406 specification. Working pressure 21 kpa. and tested to 35 kpa. For light petroleum products, densities of .735 to .845 Kg/L.
CAPACITY:	4,000 US gal. , plus 3% expansion.
COMPARTMENTS:	ONE, 4,000 US gal.
SHELL THICKNESS:	Tank bottom; .250" thick aluminum 5454 H32 alloy, full length of tank. Tank sides and top .186" thick aluminum, 5454 H32 bright finish.
OUTER SKIN:	Outer bottom skin .250" thick aluminum 5454 H32 alloy. Outer side skin .186" 5454 H32 alloy polished finish.
BULKHEADS:	All bulkheads and baffles are .250" 5454 O alloy mill finish. Quantities of bulkheads and baffles as required by design. All baffles will have a 20" flared centre manway offset 8" to the left and to the right to prevent surge. Bottom mousehole drains, side and top vent holes.
STIFFENERS:	None.
TANK FRAME:	Full length aluminum extrusion rail fully welded to tank bottom. Fully supported by bottom crossmembers and side bolsters.
OVERTURN POTECTION:	Full length aluminum rail meeting TC 406 rollover requirements, welded to top of tank shell
CATWALK:	Aluminum expanded metal mesh spot welded between overturn rails.
DRAINS:	Catwalk drains will be installed at front and rear of catwalk. drain material will be PVC piping, rear drain will run around head perimeter front drain will run straight down front head.
MANHOLE COVERS:	Betts, 20" diameter cover with 10" latched fill opening, model PPVL-720 BXB lockable . Installed on top center line of tank, two required by design. One blank manhole needed for building requirements.
VENT:	One Carter mechanical vent mounted on a 3" sump directly over internal valve. Vent line will run along curbside overturn rail exiting through front catwalk dam turning down 90 degrees terminating at curbside frame rail. This line will have a 3" female kamlock with a 3" male plug, this plug will have holes drilled in it.
INTERNAL VALVE:	3" Carter internal valve with automatic shutdown when loading.
PIPELINES:	3 ½" OD aluminum piping from internal valve to both sides of belly cabinet. This pipeline will have a Betts lockable wet/dry valve installed in each side before kamlock.
BOTTOM LOADING:	When loading this tank it can be loaded from either side. When loading leave Carter Valve closed and hook up loading hose and open the Betts valve, start filling tank as you start filling piping there is a line coming off piping that takes fuel to a jet sensor. The fuel will cross the jet sensor and travel back to the top of the internal valve equalizing the pressure and allowing the valve to open. As the fuel rises in the tank it will disrupt the flow across the jet sensor and shut the internal valve to shut off flow into tank. Load each compartment separately.
PUMP-OFF LINE:	Using the same line you load through is also for pumping the load off. To pump load off open the internal valve using the valve operator and open the Betts wet/dry valve and the fuel will flow into the pump.
SECONDARY:	The secondary containment drain line will run from the back of the tank.

- CONTAINMENT LINE:** From a 3” internal valve under the tank, exiting driver side in front of the running gear. This valve will have an operator mounted by the drain line.
- CABINET:** The cabinet will be mounted under the tank this cabinet will house the load/unload valve and operator and fire extinguisher this cabinet will be lockable.
- LADDER:** Ladder will be drain type to drain catwalk it will terminate below frame level at rear of tank.
- FENDERS:** Almac style flat fabricated aluminum fenders, over tandem rear drive tires mounted to the subframe.
- BUMPER:** Unit will be equipped with a steel, low mount under ride bumper meeting **DOT 406** requirements. Also installed on bumper is a toe loop.
- LIGHTS & WIRING:** Vapour-proof system to **CMVSS** using all sealed **LED** clearance and running lights including stop, tail, signal lamps, all in enclosed boxes. Wiring is one piece heavy duty 7 strand cab tire with plastic vapour-proof junction boxes at connection areas.
- FIRE EXTINGUISHER:** Supply and install two 20 lb. fire extinguishers in under belly cabinet.
- WATER DRAIN:** Water drain will be installed behind load/unload valve outside of water dam in under belly cabinet.
- PLACARD AND REGISTRATION HOLDER:** Four placard holders, open face style installed per code. Registration holders and dangerous goods holder installed on driver side front fender.
- PAINTING:** All attached steel items to be sand blasted, primed and painted with **ENDURA SILVER METTALLIC**. Aluminum tank and structures left natural.
- MISCELLANEOUS:** Conspicuity decaling , data plates, vehicle identification plate. Tank Certification of Compliance VIPK decaling along with all paperwork.
- OPTIONS:** Rear cabinet to house generator and pumping equipment.