



BATT™

BULK AVIATION TRANSPORT TANK
Gasoline
US Patent No. 10029848



DELIVERING FUEL TO REMOTE LOCATIONS?

Since few remote sites have year-round delivery from tanker trucks or barges, aircraft and helicopters are typically used to transport fuel supplies.

Now, with the development of SEI's award-winning bulk aviation transport tank (BATT), remote site operators have an innovative new option that is both economical and efficient.

Operators can fly fuel out, empty the BATT, roll it up and then head back with a full load of cargo.

BATT FOR GASOLINE

SEI Industries' award-winning BATT is the world's first double-walled, baffled fuel transportation tank. Each tank is designed specifically for the aircraft using it to ensure a precise fit and to maximize the load-carrying capacity of the aircraft.

Our bulk fuel aviation transport tanks are made from two main components: a heavy duty, abrasion-resistant outer tank (with a built-in strapping system that also serves as secondary containment) and a fuel-specific, baffled inner tank.

The BATT-Gas is designed specifically for the transportation of Transport Class 3 Flammable Liquids (Gasoline). Other models are available for diesel and jet fuel transportation.

BENEFITS

Bulk aviation transport tanks deliver several cost, safety and environmental benefits.

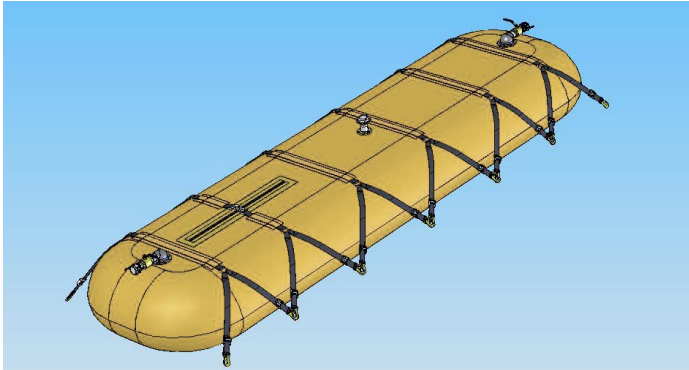
- **ECONOMIC:** Remote site operators can now purchase bulk fuel easily while also eliminating the cost of returning empty drums. Air operators can maximize load-carrying capacity on flights. Dead head flights with no cargo or passengers can be minimized because BATTs can be folded up and stored, when not in use.
- **SAFETY:** BATTs are designed to fit each specific aircraft which ensures that the payload doesn't shift (unlike drums which are not designed to fit or be secured inside an aircraft). The BATT's double-walled design, with built-in restraining straps and baffles, minimizes liquid dynamics. Each tank is designed with a 5:1 safety factor.
- **ENVIRONMENTAL:** BATTs allow operators to eliminate the use of drums which are often abandoned, when empty, because of the high cost associated with removing them. Fuel spills associated with handling multiple drums are also



BATT-Gas™ (Bulk Aviation Transport Tank-Gasoline)

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OUTER TANK



The BATT's complex buffering system is designed specifically for fluid travelling inside an aircraft.

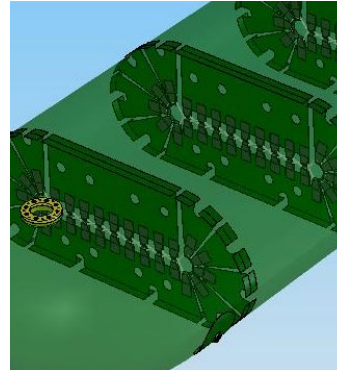
OUTER TANK

- The outer tank is resistant to abrasion and puncture and provides 100% secondary containment for the inner tank.
- The outer tank's strapping system enables it to be secured to the cargo deck with adjustable webbing straps.
- Each strap has an adjustable cam-buckle and a snap hook.
- The strapping system is specific to each airframe and is connected to the tank by stainless-steel forged D-rings.
- All straps are made from heavy-duty, poly-webbing with a working load rating of 10,000 lbs/4536 kg.
- Additional connecting links are provided to connect the tank to tie-down points in the cargo area.
- The outer tank has a leak-proof, gasoline-resistant, liquid tight zipper that can be opened to remove the inner tank for inspection and repair.

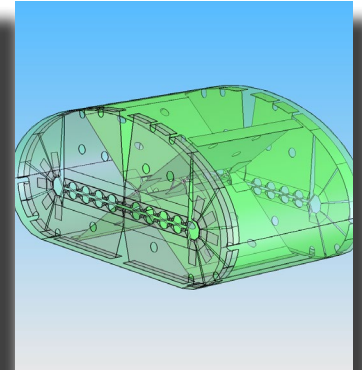
TANK FITTINGS AND VENTS

- Flanges/connections on the inner tank meet or exceed MIL-T-52983G.
- The tank has a 1 1/2" vent system for the container which can be connected to an external vent system in the cargo hold area. The vent is connected to a hose that is secured in the aircraft and exits outside the cargo area during filling.
- Tanks have two 2" or 3" dry break fill/discharge ports.
- A selection of plugs and clamps are included in a small emergency repair kit that is permanently attached to the tank and clearly marked. These plugs and clamps can be used to seal leaks while the tank is in-flight or on the ground.

FIXED WING INNER TANK



ROTARY WING INNER



The BATT's revolutionary inner tank buffers vertical and horizontal movements.

INNER TANK

- The inner tank has a unique curvilinear contour baffling or wave buffering system that matches with the natural shape of a filled tank.
- The fabric and the seaming of the inner tank meets or exceeds MIL-T-52983G.
- The inner tank has test strips that are removed and sent back to the manufacturer for review annually.

MODELS

The BATT comes in a range of sizes to fit various aircraft. Currently, the DC-3, Basler 67, CASA 212, Electra 188, MIL-17, Grand Caravan, Caravan Short, AN 26, AN 32, Single Otter, Twin Otter, Boeing 737 and Hawker 748 models are available.

CERTIFICATION

In the past, only fuel drums were allowed to transport fuel without special permits. Today, SEI is proud to be the first company to receive a Transportation of Dangerous Goods Equivalency Certificate from Transport Canada for the BATT-Gas.

BATT for diesel and jet fuel is also approved by Transport Canada as well as the FAA in the United States. It is also in use in other international locations.