

## Forklift Fuel Tanks

Forklift Fuel Tank - The majority of fuel tanks are built; nevertheless some fuel tanks are fabricated by experienced craftspeople. Custom tanks or restored tanks can be used on aircraft, automotive, tractors and motorcycles.

When constructing fuel tanks, there are a series of requirements which must be adopted. Initially, the tanks craftsman will make a mockup so as to find out the dimensions of the tank. This is normally performed from foam board. Next, design problems are handled, consisting of where the outlets, seams, drain, baffles and fluid level indicator will go. The craftsman must determine the alloy, thickness and temper of the metallic sheet he would use to construct the tank. As soon as the metal sheet is cut into the shapes required, numerous pieces are bent in order to make the basic shell and or the baffles and ends for the fuel tank.

In racecars and aircraft, the baffles contain "lightening" holes, which are flanged holes that provide strength to the baffles, while likewise reducing the tank's weight. Openings are added toward the ends of construction for the drain, the fuel pickup, the filler neck and the fluid-level sending unit. Every so often these holes are added once the fabrication process is complete, other times they are created on the flat shell.

Then, the ends and baffles can be riveted into position. The rivet heads are often soldered or brazed so as to prevent tank leaks. Ends can after that be hemmed in and flanged and soldered, or sealed, or brazed using an epoxy type of sealant, or the ends could also be flanged and afterward welded. After the soldering, brazing and welding has been finished, the fuel tank is tested for leaks.