## Fuel Tanks for Forklift

Forklift Fuel Tank - Several fuel tanks are fabricated by skilled metal craftsmen, even though nearly all tanks are fabricated. Custom and restoration tanks can be found on automotive, tractors, motorcycles and aircraft.

There are a series of specific requirements to be followed when constructing fuel tanks. Typically, the craftsman sets up a mockup in order to know the exact shape and size of the tank. This is often performed using foam board. Then, design problems are addressed, consisting of where the seams, drain, outlet, baffles and fluid level indicator would go. The craftsman needs to find out the alloy, thickness and temper of the metallic sheet he will utilize to be able to construct the tank. When the metal sheet is cut into the shapes needed, many pieces are bent in order to create the basic shell and or the baffles and ends used for the fuel tank.

Numerous baffles in aircraft and racecars have "lightening" holes. These flanged holes have two purposes. They add strength to the baffles while reducing the weight of the tank. Openings are added toward the ends of construction for the filler neck, the fluid-level sending unit, the drain and the fuel pickup. Every now and then these holes are added once the fabrication method is complete, other times they are made on the flat shell.

Then, the baffles and ends can be riveted into place. The rivet heads are normally soldered or brazed in order to prevent tank leaks. Ends can after that be hemmed in and flanged and soldered, or sealed, or brazed with an epoxy type of sealant, or the ends can even be flanged and next welded. After the soldering, brazing and welding has been finished, the fuel tank is tested for leaks.