

## Fuel Tanks for Forklift

Forklift Fuel Tank - Most fuel tanks are manufactured; nevertheless several fuel tanks are fabricated by experienced craftsmen. Custom tanks or restored tanks could be used on tractors, motorcycles, aircraft and automotive.

There are a series of certain requirements to be followed when constructing fuel tanks. Typically, the craftsman sets up a mockup to be able to know the accurate size and shape of the tank. This is usually performed out of foam board. Next, design problems are handled, including where the outlets, seams, drain, baffles and fluid level indicator will go. The craftsman must find out the alloy, thickness and temper of the metal sheet he would make use of to be able to make the tank. When the metal sheet is cut into the shapes needed, lots of parts are bent so as to make the basic shell and or the baffles and ends for the fuel tank.

In aircraft and racecars, the baffles hold "lightening" holes, which are flanged holes which provide strength to the baffles, while also 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. Occasionally these holes are added when the fabrication process is complete, other times they are created on the flat shell.

The ends and the baffles are afterward riveted in position. Normally, the rivet heads are brazed or soldered in order to avoid tank leakage. Ends can then be hemmed in and flanged and sealed, or brazed, or soldered using an epoxy type of sealant, or the ends could also be flanged and after that welded. After the soldering, brazing and welding has been completed, the fuel tank is checked for leaks.