

## Fuel Tanks for Forklift

Forklift Fuel Tanks - Nearly all fuel tanks are built; however several fuel tanks are made by expert craftspeople. Custom tanks or restored tanks could be utilized on automotive, tractors, motorcycles and aircraft.

When constructing fuel tanks, there are a series of requirements which must be followed. Firstly, the tanks craftsman will create a mockup so as to determine the dimensions of the tank. This is normally done from foam board. Next, design problems are addressed, including where the outlets, seams, drain, baffles and fluid level indicator would go. The craftsman should determine the alloy, temper and thickness of the metallic sheet he will use to make the tank. Once the metal sheet is cut into the shapes needed, numerous pieces are bent so as to create the basic shell and or the baffles and ends for the fuel tank.

Numerous baffles in racecars and aircraft contain "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 drain, the fuel pickup, the filler neck and the fluid-level sending unit. Sometimes these holes are added once the fabrication process is done, other times they are created on the flat shell.

Next, the ends and baffles can be riveted into position. The rivet heads are frequently brazed or soldered to be able to prevent tank leaks. Ends can next be hemmed in and flanged and soldered, or sealed, or brazed with an epoxy kind of sealant, or the ends could even be flanged and afterward welded. After the welding, soldering and brazing has been finished, the fuel tank is checked for leaks.