## Forklift Fuel Tank

Fuel Tanks for Forklift - Several fuel tanks are fabricated by experienced metal craftsmen, although the majority of tanks are manufactured. Restoration and custom tanks can be found on automotive, tractors, motorcycles and aircraft.

There are a series of certain requirements to be followed when constructing fuel tanks. Usually, the craftsman sets up a mockup to be able to find out the precise size and shape of the tank. This is often performed from foam board. Then, design problems are addressed, consisting of where the outlets, seams, drain, baffles and fluid level indicator will go. The craftsman should know the alloy, thickness and temper of the metal sheet he will make use of to construct the tank. When the metal sheet is cut into the shapes needed, lots of parts are bent to be able 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 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 when the fabrication method is finish, other times they are made on the flat shell.

Next, the baffles and ends could be riveted into place. The rivet heads are frequently soldered or brazed to be able to stop tank leaks. Ends could afterward be hemmed in and flanged and sealed, or brazed, or soldered using an epoxy type of sealant, or the ends could even be flanged and afterward welded. After the soldering, brazing and welding has been completed, the fuel tank is checked for leaks.