Fuel Tanks for Forklift

Forklift Fuel Tank - Most fuel tanks are fabricated; however several fuel tanks are fabricated by experienced craftspeople. 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 making fuel tanks. Typically, the craftsman sets up a mockup in order to find out the exact size and shape of the tank. This is usually performed using foam board. After that, design problems are handled, including where the outlets, seams, drain, baffles and fluid level indicator would go. The craftsman must determine the alloy, thickness and temper of the metal sheet he would utilize to construct the tank. Once the metal sheet is cut into the shapes required, a lot of pieces are bent to be able to make the basic shell and or the ends and baffles used for the fuel tank.

Lots of baffles in racecars and aircraft 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 fuel pickup, the filler neck, the fluid-level sending unit and the drain. Every now and then these holes are added once the fabrication process is complete, other times they are created on the flat shell.

Next, the baffles and ends can be riveted into place. The rivet heads are often soldered or brazed in order to prevent tank leaks. Ends can then be hemmed in and flanged and soldered, or sealed, or brazed utilizing an epoxy kind of sealant, or the ends can even be flanged and after that welded. After the welding, soldering and brazing has been finished, the fuel tank is checked for leaks.