Fuel Tank for Forklift

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

There are a series of specific requirements to be followed when constructing fuel tanks. Commonly, the craftsman sets up a mockup in order to determine the correct shape and size of the tank. This is usually done using foam board. After that, design concerns are handled, consisting of where the seams, drain, outlet, baffles and fluid level indicator would go. The craftsman must determine the alloy, thickness and temper of the metal sheet he will make use of to make the tank. As soon as the metal sheet is cut into the shapes needed, lots of pieces are bent so as to make the basic shell and or the ends and baffles for the fuel tank.

Many 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 drain, the fuel pickup, the filler neck and the fluid-level sending unit. Sometimes these holes are added as soon as the fabrication method is complete, other times they are created on the flat shell.

Next, the baffles and ends can be riveted into position. The rivet heads are normally soldered or brazed so as to avoid tank leaks. Ends could afterward be hemmed in and flanged and sealed, or brazed, or soldered making use of an epoxy type of sealant, or the ends can also be flanged and next welded. After the brazing, welding and soldering has been finished, the fuel tank is checked for leaks.