Forklift Fuel Tanks

Fuel Tank for Forklift - The majority of fuel tanks are fabricated; however some fuel tanks are made by trained craftspeople. Custom tanks or restored tanks could be used on motorcycles, aircraft, automotive and tractors.

There are a series of particular requirements to be followed when constructing fuel tanks. Usually, the craftsman sets up a mockup so as to know the exact shape and size of the tank. This is usually done utilizing foam board. Then, design problems are dealt with, including where the outlets, seams, drain, baffles and fluid level indicator will go. The craftsman should know the alloy, temper and thickness of the metal sheet he would utilize to construct the tank. When the metal sheet is cut into the shapes needed, numerous parts are bent in order to create the basic shell and or the ends and baffles utilized for the fuel tank.

Many 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 drain, the fuel pickup, the filler neck and the fluid-level sending unit. Sometimes 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 place. Normally, the rivet heads are brazed or soldered in order to stop tank leakage. Ends can next be hemmed in and flanged and sealed, or brazed, or soldered making use of an epoxy type of sealant, or the ends can likewise be flanged and then welded. After the soldering, brazing and welding has been finished, the fuel tank is tested for leaks.