Forklift Fuel Tanks

Forklift Fuel Tank - Nearly all fuel tanks are fabricated; however various fuel tanks are fabricated by trained craftsmen. Custom tanks or restored tanks could be found on tractors, motorcycles, aircraft and automotive.

When constructing fuel tanks, there are a series of requirements that must be adopted. First, the tanks craftsman will create a mockup to be able to know the dimensions of the tank. This is often done out of foam board. Next, design problems are dealt with, comprising where the drain, outlet, seams, baffles and fluid level indicator would go. The craftsman needs to know the alloy, thickness and temper of the metallic sheet he would utilize in order to construct the tank. As soon as the metal sheet is cut into the shapes required, a lot of parts are bent in order to create the basic shell and or the baffles and ends for the fuel tank.

Various baffles in racecars and aircraft hold "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. Occasionally these holes are added as soon as the fabrication method is done, other times they are created on the flat shell.

The ends and the baffles are next riveted in position. Frequently, the rivet heads are soldered or brazed to be able to avoid tank leakage. Ends can afterward be hemmed in and flanged and brazed, or soldered, or sealed utilizing an epoxy type of sealant, or the ends can also be flanged and afterward welded. After the soldering, brazing and welding has been done, the fuel tank is tested for leaks.