Fuel Tank for Forklift

Forklift Fuel Tank - Most fuel tanks are fabricated; however some fuel tanks are fabricated by experienced craftspeople. Custom tanks or restored tanks can be seen on aircraft, automotive, tractors and motorcycles.

There are a series of certain requirements to be followed when constructing fuel tanks. Commonly, the craftsman sets up a mockup in order to know the correct shape and size of the tank. This is usually done using foam board. After that, design concerns are handled, including where the seams, drain, outlet, baffles and fluid level indicator would go. The craftsman has to determine the alloy, thickness and temper of the metallic sheet he will utilize to construct the tank. Once 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 for the fuel tank.

Various 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 fuel pickup, the filler neck, the fluid-level sending unit and the drain. Every now and then these holes are added when the fabrication method is complete, other times they are made on the flat shell.

The baffle and the ends are next riveted in place. Often, the rivet heads are brazed or soldered so as to prevent tank leakage. Ends can then be hemmed in and flanged and brazed, or soldered, or sealed making use of an epoxy kind of sealant, or the ends could even be flanged and then welded. After the brazing, welding and soldering has been completed, the fuel tank is tested for leaks.