Fuel Tank for Forklift

Forklift Fuel Tank - Various fuel tanks are made by expert metal craftsmen, even if most tanks are manufactured. Custom and restoration tanks could be utilized on aircraft, automotive, tractors and motorcycles.

When constructing fuel tanks, there are a series of requirements that must be followed. First, the tanks craftsman would create a mockup in order to find out the dimensions of the tank. This is usually performed out of foam board. Next, design problems are addressed, including where the seams, drain, outlet, baffles and fluid level indicator would go. The craftsman has to know the alloy, temper and thickness of the metallic sheet he will utilize in order to construct the tank. Once the metal sheet is cut into the shapes required, many parts are bent in order to make the basic shell and or the baffles and ends utilized for the fuel tank.

Lots of baffles in aircraft and racecars hold "lightening" holes. These flanged holes have two purposes. They reduce the weight of the tank while adding weight to the baffles. Openings are added toward the ends of construction for the fuel pickup, the filler neck, the fluid-level sending unit and the drain. Every so often these holes are added when the fabrication method is complete, other times they are created on the flat shell.

The ends and the baffles are next riveted in place. Often, the rivet heads are brazed or soldered in order to avoid tank leakage. Ends can then be hemmed in and flanged and sealed, or brazed, or soldered with an epoxy kind of sealant, or the ends could even be flanged and afterward welded. After the brazing, welding and soldering has been finished, the fuel tank is tested for leaks.