Fuel Tank for Forklift

Forklift Fuel Tank - Some fuel tanks are fabricated by experienced metal craftsmen, although nearly all tanks are fabricated. Restoration and custom tanks can be seen on motorcycles, aircraft, automotive and tractors.

There are a series of certain requirements to be followed when constructing fuel tanks. Typically, the craftsman sets up a mockup so as to determine the correct shape and size of the tank. This is often performed from foam board. Then, design problems are handled, including where the outlets, seams, drain, baffles and fluid level indicator would go. The craftsman needs to know the alloy, thickness and temper of the metal sheet he will use to be able to construct the tank. As soon as the metal sheet is cut into the shapes required, a lot of parts are bent to be able to create the basic shell and or the ends and baffles for the fuel tank.

In racecars and aircraft, the baffles have "lightening" holes, which are flanged holes which provide strength to the baffles, while also reducing the tank's weight. Openings are added toward the ends of construction for the filler neck, the fluid-level sending unit, the drain and the fuel pickup. Every now and then these holes are added as soon as the fabrication process is done, 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 to be able to avoid tank leakage. Ends could after that be hemmed in and flanged and sealed, or brazed, or soldered making use of an epoxy kind of sealant, or the ends can even be flanged and after that welded. After the brazing, welding and soldering has been completed, the fuel tank is checked for leaks.