Fuel Tank for Forklift

Forklift Fuel Tank - The majority of fuel tanks are fabricated; nevertheless several fuel tanks are made by skilled craftsmen. Custom tanks or restored tanks can be utilized on aircraft, automotive, tractors and motorcycles.

There are a series of specific requirements to be followed when constructing fuel tanks. Usually, the craftsman sets up a mockup so as to know the accurate shape and size of the tank. This is usually done making use of foam board. Afterward, design problems are addressed, comprising where the drain, outlet, seams, baffles and fluid level indicator would go. The craftsman needs to determine the alloy, thickness and temper of the metal sheet he would utilize to construct the tank. When the metal sheet is cut into the shapes required, many pieces are bent in order to make the basic shell and or the ends and baffles utilized for the fuel tank.

In aircraft and racecars, the baffles have "lightening" holes, which are flanged holes which provide strength to the baffles, while likewise reducing the tank's weight. Openings are added toward the ends of construction for the fuel pickup, the filler neck, the fluid-level sending unit and the drain. Occasionally these holes are added as soon as the fabrication method is done, other times they are made on the flat shell.

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