Fuel Tank for Forklift

Forklift Fuel Tank - Nearly all fuel tanks are fabricated; however several fuel tanks are made by trained craftsmen. Restored tanks or custom tanks could be utilized on automotive, tractors, motorcycles and aircraft.

There are a series of certain requirements to be followed when making fuel tanks. Commonly, the craftsman sets up a mockup in order to know the correct size and shape of the tank. This is often performed from foam board. Next, design problems are addressed, comprising where the seams, drain, outlet, baffles and fluid level indicator would go. The craftsman must determine the alloy, thickness and temper of the metallic sheet he will utilize to make the tank. Once the metal sheet is cut into the shapes required, a lot of parts are bent in order to make the basic shell and or the baffles and ends for the fuel tank.

Numerous baffles in racecars and aircraft contain "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. At times these holes are added when the fabrication process is finish, other times they are made on the flat shell.

The baffle and the ends are next riveted in position. Often, the rivet heads are brazed or soldered so as to avoid tank leakage. Ends can then be hemmed in and flanged and soldered, or sealed, or brazed with an epoxy kind of sealant, or the ends can even be flanged and after that welded. After the brazing, welding and soldering has been done, the fuel tank is checked for leaks.