Forklift Fuel Tank

Forklift Fuel Tank - Most fuel tanks are manufactured; however several fuel tanks are made by trained craftsmen. Custom tanks or restored tanks could be used on tractors, motorcycles, aircraft and automotive.

There are a series of certain requirements to be followed when making fuel tanks. Typically, the craftsman sets up a mockup so as to find out the exact shape and size of the tank. This is often done out of foam board. Afterward, design issues are dealt with, comprising where the drain, outlet, seams, baffles and fluid level indicator will go. The craftsman must determine the alloy, thickness and temper of the metal sheet he would use in order to construct the tank. Once the metal sheet is cut into the shapes needed, numerous pieces are bent so as to create the basic shell and or the ends and baffles used for the fuel tank.

Numerous baffles in racecars and aircraft 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 drain, the fuel pickup, the filler neck and the fluid-level sending unit. Occasionally these holes are added when the fabrication method is complete, other times they are created on the flat shell.

The baffle and the ends are next riveted in place. Often, the rivet heads are brazed or soldered in order to prevent tank leakage. Ends can after that be hemmed in and flanged and sealed, or brazed, or soldered making use of an epoxy type of sealant, or the ends can also be flanged and afterward welded. After the soldering, brazing and welding has been finished, the fuel tank is tested for leaks.