Forklift Fuel Tank

Forklift Fuel Tank - Nearly all fuel tanks are built; however various fuel tanks are made by expert craftsmen. Restored tanks or custom tanks can be seen on automotive, tractors, motorcycles and aircraft.

When constructing fuel tanks, there are a series of requirements which must be followed. Primarily, the tanks craftsman will make a mockup to determine the dimensions of the tank. This is usually performed making use of foam board. Next, design problems are dealt with, comprising where the drain, outlet, seams, baffles and fluid level indicator will go. The craftsman needs to know the alloy, temper and thickness of the metallic sheet he would make use of to make the tank. Once the metal sheet is cut into the shapes required, many pieces are bent to be able to create the basic shell and or the ends and baffles used for the fuel tank.

A lot 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 drain, the fuel pickup, the filler neck and the fluid-level sending unit. Every now and then these holes are added once the fabrication process is done, other times they are created on the flat shell.

Then, the baffles and ends can be riveted into place. The rivet heads are frequently soldered or brazed so as to prevent tank leaks. Ends can afterward be hemmed in and flanged and sealed, or brazed, or soldered with an epoxy kind of sealant, or the ends can even be flanged and then welded. After the soldering, brazing and welding has been completed, the fuel tank is tested for leaks.