Forklift Fuel Tank

Forklift Fuel Tank - Several fuel tanks are fabricated by skilled metal craftsmen, although most tanks are fabricated. Restoration and custom tanks could be found on motorcycles, aircraft, automotive and tractors.

There are a series of specific requirements to be followed when making fuel tanks. Typically, the craftsman sets up a mockup so as to find out the correct size and shape of the tank. This is normally done using foam board. Next, design problems are addressed, consisting of where the outlets, seams, drain, baffles and fluid level indicator would go. The craftsman should know the alloy, temper and thickness of the metallic sheet he would use to make the tank. Once the metal sheet is cut into the shapes needed, a lot of parts 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 racecars and aircraft have "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 fluid-level sending unit, the drain, the fuel pickup and the filler neck. Every now and then these holes are added as soon as the fabrication method is complete, other times they are made on the flat shell.

The baffle and the ends are afterward riveted in place. Normally, the rivet heads are soldered or brazed in order to avoid tank leakage. Ends can afterward be hemmed in and flanged and sealed, or brazed, or soldered with an epoxy kind of sealant, or the ends can likewise be flanged and after that welded. After the soldering, brazing and welding has been done, the fuel tank is tested for leaks.