Forklift Fuel Tank

Forklift Fuel Tank - Various fuel tanks are made by expert metal craftsmen, even if the majority of tanks are fabricated. Restoration and custom tanks could be used on automotive, tractors, motorcycles and aircraft.

There are a series of specific requirements to be followed when making fuel tanks. Typically, the craftsman sets up a mockup to be able to know the exact size and shape of the tank. This is usually performed using foam board. Next, design problems are dealt with, including where the seams, drain, outlet, baffles and fluid level indicator would go. The craftsman should know the alloy, temper and thickness of the metallic sheet he will make use of so as to construct the tank. As soon as the metal sheet is cut into the shapes needed, a lot of parts are bent in order to make the basic shell and or the ends and baffles used for the fuel tank.

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

Afterward, the baffles and ends can be riveted into place. The rivet heads are often soldered or brazed so as to stop tank leaks. Ends could after that be hemmed in and flanged and brazed, or soldered, or sealed using an epoxy type of sealant, or the ends can also be flanged and afterward welded. After the soldering, brazing and welding has been completed, the fuel tank is tested for leaks.