

## Forklift Fuel Tanks

Forklift Fuel Tanks - Most fuel tanks are built; however some fuel tanks are made by experienced craftsmen. Restored tanks or custom tanks could be used on motorcycles, aircraft, automotive and tractors.

When constructing fuel tanks, there are a series of requirements which must be followed. Initially, the tanks craftsman would make a mockup to know the dimensions of the tank. This is usually performed out of foam board. Then, design issues are handled, consisting of where the seams, drain, outlet, baffles and fluid level indicator will go. The craftsman has to know the alloy, temper and thickness of the metal sheet he will utilize so as to construct the tank. As soon as the metal sheet is cut into the shapes needed, many parts are bent in order to create the basic shell and or the baffles and ends utilized for the fuel tank.

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

Then, the baffles and ends could be riveted into place. The rivet heads are frequently soldered or brazed to be able to avoid tank leaks. Ends can next be hemmed in and flanged and sealed, or brazed, or soldered using an epoxy type of sealant, or the ends could also be flanged and afterward welded. After the welding, soldering and brazing has been done, the fuel tank is tested for leaks.