

## Forklift Fuel Tanks

Forklift Fuel Tank - Nearly all fuel tanks are manufactured; however various fuel tanks are made by experienced craftspeople. Custom tanks or restored tanks can be found on motorcycles, aircraft, automotive and tractors.

When constructing fuel tanks, there are a series of requirements that must be adopted. Firstly, the tanks craftsman would make a mockup to be able to determine the measurements of the tank. This is normally performed using foam board. Afterward, design issues are dealt with, including where the seams, drain, outlet, baffles and fluid level indicator would go. The craftsman must determine the alloy, thickness and temper of the metallic sheet he would use in order to construct the tank. When the metal sheet is cut into the shapes required, lots of pieces are bent so as to create the basic shell and or the baffles and ends used for the fuel tank.

Various baffles in aircraft and racecars hold "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 fuel pickup, the filler neck, the fluid-level sending unit and the drain. Sometimes 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 afterward riveted in position. Often, the rivet heads are soldered or brazed to be able to prevent tank leakage. Ends can then 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 welding, soldering and brazing has been finished, the fuel tank is checked for leaks.