

## Forklift Fuel Tanks

Forklift Fuel Tank - Nearly all fuel tanks are fabricated; nevertheless various fuel tanks are fabricated by expert 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 should be adopted. First, the tanks craftsman would create a mockup in order to determine the dimensions of the tank. This is usually performed using foam board. Afterward, design concerns are addressed, consisting of where the outlets, seams, drain, baffles and fluid level indicator would go. The craftsman should find out the alloy, temper and thickness of the metallic sheet he would use to be able to construct the tank. Once the metal sheet is cut into the shapes required, many parts are bent in order to make the basic shell and or the ends and baffles used for the fuel tank.

Several baffles in racecars and aircraft contain "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. At times these holes are added once the fabrication process is finish, other times they are created on the flat shell.

After that, the baffles and ends could be riveted into position. The rivet heads are often soldered or brazed in order to prevent tank leaks. Ends could next 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 after that welded. After the soldering, brazing and welding has been finished, the fuel tank is tested for leaks.