

## Forklift Fuel Tanks

Fuel Tanks for Forklift - The majority of fuel tanks are fabricated; nonetheless several fuel tanks are made by skilled craftsmen. Custom tanks or restored tanks can be used on automotive, tractors, motorcycles and aircraft.

When constructing fuel tanks, there are a series of requirements that should be adopted. Initially, the tanks craftsman would make a mockup in order to determine the measurements of the tank. This is usually done out of foam board. Afterward, design problems are handled, consisting of where the drain, outlet, seams, baffles and fluid level indicator would go. The craftsman must determine the alloy, temper and thickness of the metallic sheet he will utilize to construct the tank. When the metal sheet is cut into the shapes needed, lots of pieces are bent so as to make the basic shell and or the baffles and ends used for the fuel tank.

In aircraft and racecars, 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 fluid-level sending unit, the drain, the fuel pickup and the filler neck. Sometimes these holes are added as soon as the fabrication method is complete, other times they are created on the flat shell.

The ends and the baffles are then riveted in position. Often, the rivet heads are brazed or soldered to be able to avoid tank leakage. Ends can next be hemmed in and flanged and soldered, or sealed, or brazed utilizing an epoxy type of sealant, or the ends can even be flanged and after that welded. After the brazing, welding and soldering has been done, the fuel tank is tested for leaks.