

## Forklift Fuel Tank

Forklift Fuel Tank - Most fuel tanks are fabricated; nonetheless several fuel tanks are fabricated by skilled craftspeople. Custom tanks or restored tanks could be found on aircraft, automotive, tractors and motorcycles.

When constructing fuel tanks, there are a series of requirements that must be followed. Firstly, the tanks craftsman will make a mockup to determine the dimensions of the tank. This is usually performed out of foam board. After that, design problems are handled, consisting of where the seams, drain, outlet, baffles and fluid level indicator will go. The craftsman must find out the alloy, temper and thickness of the metallic sheet he would use to construct the tank. When the metal sheet is cut into the shapes required, numerous pieces are bent to be able to make the basic shell and or the baffles and ends for the fuel tank.

Numerous baffles in racecars and aircraft have "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. Sometimes these holes are added once the fabrication process is complete, other times they are made on the flat shell.

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