

Fuel Tank for Forklift

Forklift Fuel Tank - Nearly all fuel tanks are fabricated; however some fuel tanks are made by trained craftsmen. Restored tanks or custom tanks could be seen on motorcycles, aircraft, automotive and tractors.

There are a series of particular requirements to be followed when constructing fuel tanks. Usually, the craftsman sets up a mockup to be able to find out the exact shape and size of the tank. This is usually performed making use of foam board. After that, design problems are dealt with, including where the seams, drain, outlet, baffles and fluid level indicator would go. The craftsman needs to know the alloy, temper and thickness of the metal sheet he will utilize to construct the tank. Once the metal sheet is cut into the shapes needed, many parts are bent so as to create the basic shell and or the ends and baffles utilized for the fuel tank.

A lot of baffles in racecars and aircraft 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. Every so often these holes are added when the fabrication method is done, other times they are made on the flat shell.

Then, the baffles and ends can be riveted into position. The rivet heads are often brazed or soldered to be able to prevent tank leaks. Ends could next be hemmed in and flanged and soldered, or sealed, or brazed with an epoxy type of sealant, or the ends could also be flanged and next welded. After the brazing, welding and soldering has been completed, the fuel tank is checked for leaks.