

Fuel Tanks for Forklift

Forklift Fuel Tank - Various fuel tanks are fabricated by experienced metal craftspeople, even if nearly all tanks are manufactured. Restoration and custom tanks could be used on automotive, tractors, motorcycles and aircraft.

When constructing fuel tanks, there are a series of requirements which must be followed. First, the tanks craftsman would create a mockup to find out the measurements of the tank. This is usually done using foam board. Next, design problems are handled, comprising where the drain, outlet, seams, baffles and fluid level indicator will go. The craftsman must determine the alloy, thickness and temper of the metal sheet he would make use of to make the tank. When the metal sheet is cut into the shapes required, a lot of pieces are bent to be able to create the basic shell and or the baffles and ends for the fuel tank.

In aircraft and racecars, the baffles have "lightening" holes, which are flanged holes which provide strength to the baffles, while also reducing the tank's weight. Openings are added toward the ends of construction for the fuel pickup, the filler neck, the fluid-level sending unit and the drain. Every now and then these holes are added when the fabrication process is done, other times they are made on the flat shell.

Next, the ends and baffles can be riveted into position. The rivet heads are normally soldered or brazed to be able to prevent tank leaks. Ends could next be hemmed in and flanged and sealed, or brazed, or soldered making use of an epoxy type of sealant, or the ends could even be flanged and next welded. After the soldering, brazing and welding has been done, the fuel tank is tested for leaks.