

Fuel Tank for Forklift

Forklift Fuel Tank - Nearly all fuel tanks are fabricated; nonetheless several fuel tanks are made by skilled craftsmen. Restored tanks or custom tanks could be utilized on tractors, motorcycles, aircraft and automotive.

There are a series of specific requirements to be followed when constructing fuel tanks. Usually, the craftsman sets up a mockup in order to know the precise shape and size of the tank. This is often done using foam board. Next, design problems are dealt with, comprising where the seams, drain, outlet, baffles and fluid level indicator would go. The craftsman has to know the alloy, temper and thickness of the metal sheet he would make use of so as to make the tank. When the metal sheet is cut into the shapes required, many pieces are bent in order to create the basic shell and or the ends and baffles used for the fuel tank.

In aircraft and racecars, the baffles have "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 fuel pickup, the filler neck, the fluid-level sending unit and the drain. Every so often 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 afterward riveted in position. Normally, the rivet heads are brazed or soldered so as to stop tank leakage. Ends can next be hemmed in and flanged and soldered, or sealed, or brazed using an epoxy kind of sealant, or the ends could even be flanged and after that welded. After the brazing, welding and soldering has been done, the fuel tank is tested for leaks.