

Forklift Fuel Tank

Forklift Fuel Tank - Nearly all fuel tanks are manufactured; nevertheless several fuel tanks are made by experienced craftspeople. Custom tanks or restored tanks can be found 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 to be able to determine the correct size and shape of the tank. This is usually performed utilizing foam board. Next, design issues are addressed, comprising where the outlets, seams, drain, baffles and fluid level indicator would go. The craftsman has to find out the alloy, thickness and temper of the metallic sheet he will make use of to make the tank. As soon as the metal sheet is cut into the shapes required, many pieces are bent to be able to create the basic shell and or the ends and baffles for the fuel tank.

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

Afterward, the baffles and ends can be riveted into place. The rivet heads are often soldered or brazed so as to avoid tank leaks. Ends could next be hemmed in and flanged and brazed, or soldered, or sealed with an epoxy type of sealant, or the ends can likewise be flanged and then welded. After the brazing, welding and soldering has been done, the fuel tank is checked for leaks.