

Forklift Fuel Tank

Forklift Fuel Tank - The majority of fuel tanks are built; however various fuel tanks are made by trained craftsmen. Restored tanks or custom tanks can be found on automotive, tractors, motorcycles and aircraft.

There are a series of specific requirements to be followed when making fuel tanks. Typically, the craftsman sets up a mockup so as to find out the accurate size and shape of the tank. This is often performed using foam board. Next, design problems are addressed, comprising where the seams, drain, outlet, baffles and fluid level indicator will go. The craftsman has to determine the alloy, thickness and temper of the metal sheet he will make use of to construct the tank. When the metal sheet is cut into the shapes needed, many parts are bent in order to create the basic shell and or the ends and baffles utilized for the fuel tank.

In racecars and aircraft, the baffles contain "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. At times these holes are added as soon as the fabrication process is done, other times they are made on the flat shell.

Next, the ends and baffles could be riveted into position. The rivet heads are normally soldered or brazed so as to stop tank leaks. Ends could afterward be hemmed in and flanged and sealed, or brazed, or soldered with an epoxy kind of sealant, or the ends can also be flanged and next welded. After the soldering, brazing and welding has been finished, the fuel tank is checked for leaks.