

Forklift Fuel Tank

Forklift Fuel Tank - Nearly all fuel tanks are manufactured; however various fuel tanks are fabricated by skilled craftspeople. Restored tanks or custom tanks can be seen on motorcycles, aircraft, automotive and tractors.

There are a series of certain 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 usually done making use of foam board. After that, design issues are handled, including where the drain, outlet, seams, baffles and fluid level indicator will go. The craftsman has to know the alloy, thickness and temper of the metal sheet he would use to be able to construct the tank. Once the metal sheet is cut into the shapes required, numerous parts are bent so as to create the basic shell and or the ends and baffles utilized for the fuel tank.

In aircraft and racecars, 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 once the fabrication process is done, other times they are created on the flat shell.

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