

Forklift Fuel Tank

Fuel Tanks for Forklift - Some fuel tanks are fabricated by expert metal craftsmen, although most tanks are built. Restoration and custom tanks can be used on motorcycles, aircraft, automotive and tractors.

There are a series of certain requirements to be followed when constructing fuel tanks. Usually, the craftsman sets up a mockup to be able to find out the accurate size and shape of the tank. This is usually done out of foam board. Then, design concerns are handled, consisting of where the drain, outlet, seams, baffles and fluid level indicator will go. The craftsman needs to know the alloy, temper and thickness of the metal sheet he would utilize to construct the tank. When the metal sheet is cut into the shapes needed, a lot of pieces are bent so as to create the basic shell and or the ends and baffles for the fuel tank.

In racecars and aircraft, the baffles contain "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 filler neck, the fluid-level sending unit, the drain and the fuel pickup. At times these holes are added when the fabrication method is complete, other times they are created on the flat shell.

Then, the baffles and ends can be riveted into place. The rivet heads are often soldered or brazed in order to avoid tank leaks. Ends could next be hemmed in and flanged and sealed, or brazed, or soldered utilizing an epoxy type of sealant, or the ends could also be flanged and next welded. After the welding, soldering and brazing has been completed, the fuel tank is checked for leaks.