

Forklift Fuel Tanks

Forklift Fuel Tank - Various fuel tanks are fabricated by experienced metal craftsmen, although nearly all tanks are fabricated. Custom and restoration tanks can be seen on aircraft, automotive, tractors and motorcycles.

There are a series of certain requirements to be followed when making fuel tanks. Commonly, the craftsman sets up a mockup in order to know the correct shape and size of the tank. This is often done out of foam board. After that, design problems are dealt with, comprising where the drain, outlet, seams, baffles and fluid level indicator will go. The craftsman should find out the alloy, temper and thickness of the metal sheet he would use to make the tank. Once the metal sheet is cut into the shapes required, lots of parts are bent in order to make the basic shell and or the ends and baffles used for the fuel tank.

In racecars and aircraft, the baffles contain "lightening" holes, which are flanged holes that provide strength to the baffles, while likewise 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. Sometimes these holes are added once the fabrication method is complete, other times they are made on the flat shell.

The ends and the baffles are after that riveted in position. Frequently, the rivet heads are brazed or soldered so as to prevent tank leakage. Ends could then be hemmed in and flanged and brazed, or soldered, or sealed utilizing an epoxy kind of sealant, or the ends can even be flanged and next welded. After the welding, soldering and brazing has been done, the fuel tank is checked for leaks.