

Forklift Fuel Tanks

Fuel Tank for Forklift - Some fuel tanks are fabricated by trained metal craftsmen, even if the majority of tanks are built. Restoration and custom tanks could be seen on tractors, motorcycles, aircraft and automotive.

There are a series of particular requirements to be followed when constructing fuel tanks. Usually, the craftsman sets up a mockup so as to find out the accurate shape and size of the tank. This is often performed using foam board. After that, design problems are dealt with, comprising where the outlets, seams, drain, baffles and fluid level indicator would go. The craftsman has to determine the alloy, temper and thickness of the metal sheet he will make use of so as to make the tank. Once the metal sheet is cut into the shapes required, numerous pieces are bent in order 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 which provide strength to the baffles, while also 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. Occasionally these holes are added when the fabrication process is done, other times they are made on the flat shell.

Next, the ends and baffles can be riveted into position. The rivet heads are normally brazed or soldered to be able to avoid tank leaks. Ends can next be hemmed in and flanged and sealed, or brazed, or soldered utilizing an epoxy type of sealant, or the ends could even be flanged and then welded. After the welding, soldering and brazing has been finished, the fuel tank is tested for leaks.