

Forklift Fuel Tanks

Forklift Fuel Tank - Nearly all fuel tanks are manufactured; however various fuel tanks are made by experienced craftsmen. Restored tanks or custom tanks can be utilized on tractors, motorcycles, aircraft and automotive.

There are a series of certain requirements to be followed when constructing fuel tanks. Commonly, the craftsman sets up a mockup to be able to know the precise shape and size of the tank. This is usually done from foam board. Then, design problems are handled, consisting of where the drain, outlet, seams, baffles and fluid level indicator will go. The craftsman needs to know the alloy, thickness and temper of the metal sheet he will make use of in order to construct the tank. When the metal sheet is cut into the shapes required, numerous pieces are bent in order to make the basic shell and or the ends and baffles for the fuel tank.

In aircraft and racecars, the baffles hold "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 fluid-level sending unit, the drain, the fuel pickup and the filler neck. Sometimes these holes are added as soon as the fabrication method is done, other times they are created on the flat shell.

The baffle and the ends are next riveted in position. Normally, the rivet heads are soldered or brazed in order to prevent tank leakage. Ends could next be hemmed in and flanged and brazed, or soldered, or sealed using an epoxy type of sealant, or the ends could also be flanged and then welded. After the soldering, brazing and welding has been finished, the fuel tank is checked for leaks.