

Forklift Fuel Tanks

Forklift Fuel Tank - Most fuel tanks are fabricated; nevertheless several fuel tanks are made by expert craftspeople. Custom tanks or restored tanks could be seen on tractors, motorcycles, aircraft and automotive.

There are a series of specific requirements to be followed when making fuel tanks. Typically, the craftsman sets up a mockup in order to determine the exact size and shape of the tank. This is usually done utilizing foam board. Afterward, design problems are addressed, comprising where the drain, outlet, seams, baffles and fluid level indicator will go. The craftsman should determine the alloy, thickness and temper of the metal sheet he will make use of to construct the tank. When the metal sheet is cut into the shapes required, many parts are bent in order to create the basic shell and or the baffles and ends utilized for the fuel tank.

In aircraft and racecars, the baffles hold "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 drain, the fuel pickup, the filler neck and the fluid-level sending unit. Every so often these holes are added when the fabrication process is finish, other times they are made on the flat shell.

Then, the baffles and ends could be riveted into place. The rivet heads are often brazed or soldered so as to stop tank leaks. Ends can then be hemmed in and flanged and sealed, or brazed, or soldered with an epoxy kind of sealant, or the ends could also be flanged and next welded. After the welding, soldering and brazing has been finished, the fuel tank is tested for leaks.