

Fuel Tank for Forklift

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

When constructing fuel tanks, there are a series of requirements that should be adopted. First, the tanks craftsman would make a mockup in order to determine the dimensions of the tank. This is often done making use of foam board. After that, design concerns are handled, consisting of where the drain, outlet, seams, baffles and fluid level indicator would go. The craftsman must know the alloy, thickness and temper of the metal sheet he would make use of in order to make the tank. When the metal sheet is cut into the shapes required, numerous parts are bent to be able to create the basic shell and or the baffles and ends for the fuel tank.

In aircraft and racecars, the baffles hold "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. Every so often these holes are added as soon as the fabrication process is complete, other times they are made on the flat shell.

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