

Fuel Tanks for Forklift

Forklift Fuel Tanks - The majority of fuel tanks are manufactured; however several fuel tanks are fabricated by trained craftspeople. Restored tanks or custom tanks can be seen on tractors, motorcycles, aircraft and automotive.

When constructing fuel tanks, there are a series of requirements that should be adopted. Initially, the tanks craftsman will make a mockup in order to determine the dimensions of the tank. This is normally performed making use of foam board. Next, design concerns are addressed, including where the seams, drain, outlet, baffles and fluid level indicator would go. The craftsman must know the alloy, thickness and temper of the metallic sheet he will utilize to make the tank. When the metal sheet is cut into the shapes required, many parts are bent so as to make the basic shell and or the ends and baffles utilized for the fuel tank.

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

The baffle and the ends are after that riveted in position. Often, the rivet heads are soldered or brazed in order to stop tank leakage. Ends can next be hemmed in and flanged and sealed, or brazed, or soldered with an epoxy type of sealant, or the ends can also be flanged and after that welded. After the welding, soldering and brazing has been done, the fuel tank is tested for leaks.