Forklift Fuel Tank

Forklift Fuel Tank - Nearly all fuel tanks are manufactured; nonetheless several fuel tanks are fabricated by trained craftsmen. Custom tanks or restored tanks can be used on aircraft, automotive, tractors and motorcycles.

There are a series of specific requirements to be followed when making fuel tanks. Usually, the craftsman sets up a mockup to be able to determine the exact size and shape of the tank. This is usually done from foam board. Then, design concerns are dealt with, consisting of where the seams, drain, outlet, baffles and fluid level indicator would go. The craftsman has to know the alloy, thickness and temper of the metallic sheet he will utilize so as to construct 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 ends and baffles used for the fuel tank.

Lots of baffles in racecars and aircraft hold "lightening" holes. These flanged holes have two purposes. They add strength to the baffles while reducing the weight of the tank. Openings are added toward the ends of construction for the filler neck, the fluid-level sending unit, the drain and the fuel pickup. At times these holes are added as soon as the fabrication method is done, other times they are created on the flat shell.

Afterward, the baffles and ends can be riveted into position. The rivet heads are normally soldered or brazed so as to stop tank leaks. Ends can then 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 afterward welded. After the soldering, brazing and welding has been completed, the fuel tank is tested for leaks.