Fuel Tank for Forklift

Forklift Fuel Tank - Some fuel tanks are made by expert metal craftsmen, although most tanks are manufactured. Restoration and custom tanks could be used on automotive, tractors, motorcycles and aircraft.

There are a series of certain requirements to be followed when constructing fuel tanks. Usually, the craftsman sets up a mockup in order to determine the precise size and shape of the tank. This is usually performed from foam board. Then, design issues are dealt with, comprising where the seams, drain, outlet, baffles and fluid level indicator will go. The craftsman needs to find out the alloy, thickness and temper of the metallic sheet he will use to make the tank. Once the metal sheet is cut into the shapes needed, many parts are bent so as to make the basic shell and or the ends and baffles for the fuel tank.

In racecars and aircraft, 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. Every now and then these holes are added once the fabrication method is finish, other times they are created on the flat shell.

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