Fuel Tank for Forklift

Forklift Fuel Tank - Several fuel tanks are made by experienced metal craftspeople, even though most tanks are fabricated. Restoration and custom tanks can be seen on aircraft, automotive, tractors and motorcycles.

When constructing fuel tanks, there are a series of requirements which should be followed. First, the tanks craftsman would create a mockup so as to know the measurements of the tank. This is normally performed making use of foam board. Then, design problems are dealt with, consisting of where the drain, outlet, seams, baffles and fluid level indicator will go. The craftsman has to determine the alloy, temper and thickness of the metal sheet he will make use of to construct the tank. Once the metal sheet is cut into the shapes needed, a lot of parts are bent so as to create the basic shell and or the ends and baffles for the fuel tank.

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

Next, the baffles and ends could be riveted into place. The rivet heads are frequently soldered or brazed in order to prevent tank leaks. Ends can next be hemmed in and flanged and soldered, or sealed, or brazed using an epoxy kind of sealant, or the ends could even be flanged and after that welded. After the brazing, welding and soldering has been done, the fuel tank is checked for leaks.