Forklift Fuel Tank

Fuel Tank for Forklift - Some fuel tanks are fabricated by trained metal craftsmen, though most tanks are fabricated. Restoration and custom tanks can be used on tractors, motorcycles, aircraft and automotive.

When constructing fuel tanks, there are a series of requirements which should be adopted. Initially, the tanks craftsman would create a mockup so as to know the measurements of the tank. This is usually performed using foam board. Afterward, design problems are addressed, consisting of where the drain, outlet, seams, baffles and fluid level indicator would go. The craftsman should know the alloy, thickness and temper of the metallic sheet he would use to make the tank. When the metal sheet is cut into the shapes required, lots of pieces are bent in order to make the basic shell and or the ends and baffles for the fuel tank.

Many 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 fluid-level sending unit, the drain, the fuel pickup and the filler neck. Sometimes these holes are added as soon as the fabrication process is done, other times they are created on the flat shell.

Next, the baffles and ends can be riveted into place. The rivet heads are normally soldered or brazed to be able to stop tank leaks. Ends could then be hemmed in and flanged and soldered, or sealed, or brazed making use of an epoxy type of sealant, or the ends can likewise be flanged and then welded. After the brazing, welding and soldering has been done, the fuel tank is tested for leaks.