Forklift Fuel Tanks

Forklift Fuel Tanks - Several fuel tanks are fabricated by trained metal craftsmen, even if the majority of tanks are built. Custom and restoration tanks can be seen on automotive, tractors, motorcycles and aircraft.

When constructing fuel tanks, there are a series of requirements which must be followed. First, the tanks craftsman will create a mockup so as to know the dimensions of the tank. This is usually done out of foam board. Next, design issues are handled, consisting of where the drain, outlet, seams, baffles and fluid level indicator would go. The craftsman needs to know the alloy, temper and thickness of the metallic sheet he would utilize to make the tank. As soon as the metal sheet is cut into the shapes required, lots of pieces are bent so as to make the basic shell and or the baffles and ends utilized for the fuel tank.

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

Then, the ends and baffles could be riveted into position. The rivet heads are frequently brazed or soldered to be able to prevent tank leaks. Ends could afterward be hemmed in and flanged and brazed, or soldered, or sealed with an epoxy kind of sealant, or the ends could also be flanged and after that welded. After the brazing, welding and soldering has been completed, the fuel tank is tested for leaks.