

Forklift Fuel Tank

Forklift Fuel Tanks - Nearly all fuel tanks are manufactured; however some fuel tanks are made by trained craftsmen. Restored tanks or custom tanks can be utilized on aircraft, automotive, tractors and motorcycles.

When constructing fuel tanks, there are a series of requirements that must be followed. Primarily, the tanks craftsman will make a mockup so as to determine the measurements of the tank. This is usually performed using foam board. After that, design concerns are handled, consisting of where the seams, drain, outlet, baffles and fluid level indicator would go. The craftsman must know the alloy, temper and thickness of the metallic sheet he will make use of so as to construct the tank. When the metal sheet is cut into the shapes required, a lot of parts are bent in order to create the basic shell and or the ends and baffles for the fuel tank.

Several baffles in racecars and aircraft hold "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. Every now and then these holes are added as soon as the fabrication process is finish, other times they are made on the flat shell.

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