

Forklift Fuel Tanks

Forklift Fuel Tank - The majority of fuel tanks are fabricated; nonetheless various fuel tanks are made by trained craftsmen. Restored tanks or custom tanks can be used on tractors, motorcycles, aircraft and automotive.

When constructing fuel tanks, there are a series of requirements that should be adopted. First, the tanks craftsman will make a mockup in order to find out the dimensions of the tank. This is usually performed utilizing foam board. Afterward, design concerns are addressed, including where the outlets, seams, drain, baffles and fluid level indicator will go. The craftsman must know the alloy, temper and thickness of the metallic sheet he will use to construct the tank. Once 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 for the fuel tank.

Lots of 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 drain, the fuel pickup, the filler neck and the fluid-level sending unit. At times these holes are added once the fabrication method is done, other times they are created on the flat shell.

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