

Forklift Fuel Tank

Forklift Fuel Tank - Nearly all fuel tanks are manufactured; nevertheless some fuel tanks are made by expert craftsmen. Custom tanks or restored tanks can be seen on automotive, tractors, motorcycles and aircraft.

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

In racecars and aircraft, the baffles contain "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 fuel pickup, the filler neck, the fluid-level sending unit and the drain. Occasionally these holes are added when the fabrication process is complete, other times they are made on the flat shell.

Then, the baffles and ends could be riveted into place. The rivet heads are normally soldered or brazed so as to avoid tank leaks. Ends can then be hemmed in and flanged and soldered, or sealed, or brazed utilizing an epoxy type of sealant, or the ends can also be flanged and afterward welded. After the welding, soldering and brazing has been done, the fuel tank is tested for leaks.