

Forklift Fuel Tank

Forklift Fuel Tank - Some fuel tanks are made by expert metal craftsmen, even though nearly all tanks are built. Restoration and custom tanks can be found on automotive, tractors, motorcycles and aircraft.

There are a series of certain requirements to be followed when constructing fuel tanks. Usually, the craftsman sets up a mockup so as to determine the exact size and shape of the tank. This is normally performed using foam board. After that, design issues are dealt with, comprising where the drain, outlet, seams, baffles and fluid level indicator would go. The craftsman has to know the alloy, thickness and temper of the metallic sheet he will utilize to construct the tank. As soon as the metal sheet is cut into the shapes needed, lots of pieces are bent in order to make the basic shell and or the ends and baffles for the fuel tank.

Numerous baffles in aircraft and racecars 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 fluid-level sending unit, the drain, the fuel pickup and the filler neck. At times these holes are added once the fabrication method is complete, other times they are made on the flat shell.

The ends and the baffles are then riveted in place. Frequently, the rivet heads are brazed or soldered in order to avoid tank leakage. Ends could after that be hemmed in and flanged and sealed, or brazed, or soldered utilizing an epoxy kind of sealant, or the ends could also be flanged and then welded. After the welding, soldering and brazing has been finished, the fuel tank is tested for leaks.