

Fuel Tank for Forklift

Forklift Fuel Tank - Most fuel tanks are fabricated; nonetheless various fuel tanks are fabricated by skilled craftsmen. Restored tanks or custom tanks could be used on tractors, motorcycles, aircraft and automotive.

There are a series of specific requirements to be followed when constructing fuel tanks. Usually, the craftsman sets up a mockup so as to know the precise shape and size of the tank. This is usually performed out of foam board. Then, design issues are dealt with, comprising where the outlets, seams, drain, baffles and fluid level indicator will go. The craftsman has to find out the alloy, thickness and temper of the metallic sheet he will make use of to be able to construct the tank. When the metal sheet is cut into the shapes needed, numerous parts are bent to be able to make the basic shell and or the baffles and ends utilized for the fuel tank.

Many baffles in aircraft and racecars contain "lightening" holes. These flanged holes have two purposes. They add strength to the baffles while reducing the weight of the tank. Openings are added toward the ends of construction for the filler neck, the fluid-level sending unit, the drain and the fuel pickup. Occasionally these holes are added as soon as the fabrication method is done, other times they are made on the flat shell.

The baffle and the ends are afterward riveted in position. Often, the rivet heads are brazed or soldered in order to avoid tank leakage. Ends can next be hemmed in and flanged and brazed, or soldered, or sealed using an epoxy type of sealant, or the ends can even be flanged and afterward welded. After the welding, soldering and brazing has been finished, the fuel tank is tested for leaks.