

Forklift Fuel Tanks

Forklift Fuel Tanks - Various fuel tanks are made by expert metal craftspeople, though most tanks are fabricated. Restoration and custom tanks can be seen on tractors, motorcycles, aircraft and automotive.

When constructing fuel tanks, there are a series of requirements which must be adopted. Initially, the tanks craftsman will create a mockup to know the dimensions of the tank. This is usually performed using foam board. After that, design problems are addressed, consisting of where the drain, outlet, seams, baffles and fluid level indicator would go. The craftsman should determine the alloy, thickness and temper of the metallic sheet he will use to construct the tank. As soon as the metal sheet is cut into the shapes required, numerous parts are bent to be able to create the basic shell and or the baffles and ends for the fuel tank.

In racecars and aircraft, the baffles hold "lightening" holes, which are flanged holes that provide strength to the baffles, while likewise reducing the tank's weight. 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 when the fabrication method is complete, other times they are made on the flat shell.

The baffle and the ends are then riveted in place. Normally, the rivet heads are soldered or brazed in order to prevent tank leakage. Ends could next be hemmed in and flanged and sealed, or brazed, or soldered making use of an epoxy type of sealant, or the ends can also be flanged and after that welded. After the brazing, welding and soldering has been completed, the fuel tank is tested for leaks.