

Fuel Tanks for Forklift

Forklift Fuel Tanks - Various fuel tanks are made by skilled metal craftspeople, though nearly all tanks are fabricated. Restoration and custom tanks could be utilized on tractors, motorcycles, aircraft and automotive.

There are a series of certain requirements to be followed when constructing fuel tanks. Commonly, the craftsman sets up a mockup in order to find out the exact shape and size of the tank. This is usually done from foam board. After that, design problems are dealt with, consisting of where the outlets, seams, drain, baffles and fluid level indicator would go. The craftsman must find out the alloy, temper and thickness of the metallic sheet he will make use of in order to make the tank. Once the metal sheet is cut into the shapes needed, many pieces are bent in order to make the basic shell and or the ends and baffles utilized for the fuel tank.

In racecars and aircraft, the baffles hold "lightening" holes, which are flanged holes which provide strength to the baffles, while likewise 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. Every so often these holes are added when the fabrication process is finish, other times they are created on the flat shell.

Next, the baffles and ends can be riveted into place. The rivet heads are often brazed or soldered so as to stop tank leaks. Ends could next be hemmed in and flanged and brazed, or soldered, or sealed making use of an epoxy type of sealant, or the ends can also be flanged and next welded. After the brazing, welding and soldering has been done, the fuel tank is checked for leaks.