

Forklift Fuel Tank

Forklift Fuel Tank - Some fuel tanks are made by expert metal craftspeople, even though nearly all tanks are manufactured. Restoration and custom tanks could be seen on aircraft, automotive, tractors and motorcycles.

When constructing fuel tanks, there are a series of requirements that should be followed. Primarily, the tanks craftsman will make a mockup to determine the dimensions of the tank. This is often done using foam board. Afterward, design problems are dealt with, including where the drain, outlet, seams, baffles and fluid level indicator will go. The craftsman must know the alloy, thickness and temper of the metallic sheet he will utilize to construct the tank. When the metal sheet is cut into the shapes needed, lots of parts are bent in order to make the basic shell and or the ends and baffles for the fuel tank.

Various baffles in racecars and aircraft contain "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. Occasionally these holes are added when the fabrication process is finish, other times they are created on the flat shell.

After that, the baffles and ends can be riveted into place. The rivet heads are normally brazed or soldered to be able to stop tank leaks. Ends could afterward be hemmed in and flanged and sealed, or brazed, or soldered making use of an epoxy kind of sealant, or the ends can also be flanged and afterward welded. After the brazing, welding and soldering has been completed, the fuel tank is tested for leaks.