

Forklift Fuel Tank

Forklift Fuel Tank - Most fuel tanks are manufactured; however several fuel tanks are fabricated by skilled craftsmen. Restored tanks or custom tanks could be seen on motorcycles, aircraft, automotive and tractors.

There are a series of specific requirements to be followed when constructing fuel tanks. Typically, the craftsman sets up a mockup in order to determine the correct size and shape of the tank. This is often performed utilizing foam board. Next, design problems are handled, including where the seams, drain, outlet, baffles and fluid level indicator will go. The craftsman should determine the alloy, thickness and temper of the metal sheet he will utilize to make the tank. When the metal sheet is cut into the shapes needed, lots of parts are bent so as to make the basic shell and or the baffles and ends for the fuel tank.

Many 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 fuel pickup, the filler neck, the fluid-level sending unit and the drain. Every now and then these holes are added once the fabrication method is finish, other times they are created on the flat shell.

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