

Forklift Fuel Tanks

Forklift Fuel Tanks - Most fuel tanks are built; nevertheless several fuel tanks are made by experienced craftsmen. Restored tanks or custom tanks could be used on motorcycles, aircraft, automotive and tractors.

There are a series of certain requirements to be followed when making fuel tanks. Usually, the craftsman sets up a mockup so as to know the precise size and shape of the tank. This is usually performed from foam board. Then, design issues are handled, including where the drain, outlet, seams, baffles and fluid level indicator would go. The craftsman must find out the alloy, thickness and temper of the metallic sheet he will make use of in order to construct the tank. When the metal sheet is cut into the shapes needed, lots of parts are bent in order to create the basic shell and or the ends and baffles for the fuel tank.

In racecars and aircraft, the baffles hold "lightening" holes, which are flanged holes which provide strength to the baffles, while also reducing the tank's weight. Openings are added toward the ends of construction for the filler neck, the fluid-level sending unit, the drain and the fuel pickup. At times these holes are added when the fabrication process is done, other times they are made on the flat shell.

Afterward, the baffles and ends could be riveted into place. The rivet heads are often soldered or brazed in order to stop tank leaks. Ends could next 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 next welded. After the welding, soldering and brazing has been finished, the fuel tank is tested for leaks.