

Forklift Fuel Tanks

Forklift Fuel Tank - Some fuel tanks are fabricated by experienced metal craftsmen, even though most tanks are manufactured. Restoration and custom tanks can be found on motorcycles, aircraft, automotive and tractors.

There are a series of particular requirements to be followed when making fuel tanks. Commonly, the craftsman sets up a mockup in order to determine the accurate shape and size of the tank. This is usually performed using foam board. Then, design problems are addressed, comprising where the outlets, seams, drain, baffles and fluid level indicator will go. The craftsman must find out the alloy, temper and thickness of the metal sheet he will make use of to construct the tank. As soon as the metal sheet is cut into the shapes required, numerous pieces are bent in order to make the basic shell and or the ends and baffles for the fuel tank.

In aircraft and racecars, the baffles contain "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 fuel pickup, the filler neck, the fluid-level sending unit and the drain. Occasionally these holes are added once the fabrication process is finish, other times they are created on the flat shell.

The ends and the baffles are then riveted in position. Frequently, the rivet heads are brazed or soldered to be able to prevent tank leakage. Ends could then be hemmed in and flanged and brazed, or soldered, or sealed utilizing an epoxy type of sealant, or the ends could even be flanged and afterward welded. After the welding, soldering and brazing has been completed, the fuel tank is checked for leaks.