Hyster Fuel Tanks

Some fuel tanks are fabricated by expert metal craftspeople, even though nearly all tanks are fabricated. Restoration and custom tanks could be utilized on motorcycles, aircraft, automotive and tractors.

When constructing fuel tanks, there are a series of requirements which ought to be adopted. Initially, the tanks craftsman would make a mockup so as to find out the measurements of the tank. This is often performed making use of foam board. Afterward, design issues are handled, including where the seams, drain, outlet, baffles and fluid level indicator would go. The craftsman has to know the alloy, temper and thickness of the metallic sheet he will use to construct the tank. When the metal sheet is cut into the shapes required, numerous pieces are bent to be able to create the basic shell and or the baffles and ends used for the fuel tank.

Several baffles in aircraft and racecars hold "lightening" holes. These flanged holes have two purposes. They add strength to the baffles while reducing the weight of the tank. Openings are added toward the ends of construction for the fluid-level sending unit, the drain, the fuel pickup and the filler neck. Every so often these holes are added as soon as the fabrication process is done, other times they are made on the flat shell.

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