Fuel Systems for Forklifts

Fuel Systems for Forklifts - The fuel system is responsible for feeding your engine the diesel or gasoline it needs to be able to run. If any of the specific parts in the fuel system break down, your engine would not run properly. There are the major parts of the fuel system listed below:

Fuel Tank: The fuel tank holds the fuel. The fuel from the gas station pump, moves from the tank travels down the gas hose into your tank. Inside the tank there is a sending unit. This is what tells the gas gauge how much gas is inside the tank.

Fuel Pump: In nearly all newer cars, the fuel pump is typically located in the fuel tank. Several older vehicles have the fuel pump connected to the engine or located on the frame rail between the engine and the tank. If the pump is inside the tank or on the frame rail, then it is electric and functions with electricity from your cars' battery, whereas fuel pumps that are attached to the engine use the motion of the engine so as to pump the fuel.

Fuel Filter: Clean fuel is vital for engine performance and overall engine life. Fuel injectors have small openings that can clog without problems. Filtering the fuel is the only way this can be avoided. Filters could be found either before or after the fuel pump and in various instances both places.

Fuel Injectors: The majority of domestic cars after the year 1986, together with earlier foreign cars came from the factory with fuel injection. Instead of a carburetor to do the task of mixing the fuel and the air, a computer controls when the fuel injectors open in order to allow fuel into the engine. This has caused better fuel economy and lower emissions overall. The fuel injector is really a small electric valve that closes opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or in small particles, and could burn better when ignited by the spark plug.

Carburetors: Carburetors have the job of taking the fuel and mixing it with the air without whichever involvement from a computer. Carburetors require frequent rebuilding and retuning although they are easy to work. This is amongst the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.