## Hydraulic Pump for Forklift

Forklift Hydraulic Pump - Hydraulic pumps could be either hydrodynamic or hydrostatic. They are usually used in hydraulic drive systems.

Hydrodynamic pumps can be regarded as fixed displacement pumps. This means the flow through the pump for every pump rotation could not be changed. Hydrodynamic pumps can even be variable displacement pumps. These kinds have a much more complicated assembly that means the displacement can be changed. On the other hand, hydrostatic pumps are positive displacement pumps.

Nearly all pumps work as open systems drawing oil from a reservoir at atmospheric pressure. It is essential that there are no cavities taking place at the suction side of the pump for this particular method to function well. So as to enable this to work properly, the connection of the suction side of the pump is larger in diameter than the connection of the pressure side. With regards to multi pump assemblies, the suction connection of the pump is usually combined. A general option is to have free flow to the pump, which means the pressure at the pump inlet is at least 0.8 bars and the body of the pump is normally within open connection with the suction portion of the pump.

In the instances of a closed system, it is all right for both sides of the pump to be at high pressure. Frequently in these situations, the tank is pressurized with 6-20 bars of boost pressure. In the instance of closed loop systems, usually axial piston pumps are utilized. Since both sides are pressurized, the pump body needs a different leakage connection.