

## Hydraulic Pump, Valves and Cylinders

Hydraulic Pumps, Valves and Cylinders - Many lift trucks are driven by liquid propane. Though a few facilities will have refuelling capabilities on site, many will have cylinders brought to their headquarters instead. Whenever a forklift runs out of fuel, the cylinders are changed. Several training and cautions is required whenever handling propane because it is a highly flammable matter.

Personal Protective Equipment, likewise known as PPE, should be put on prior to changing or filling a lift truck cylinder. As liquid propane is really cold, it could result in burns if it comes into contact with the skin. At all times having on thick leather gloves will help protect hands. Goggles or various approved eyewear along with a face shield is likewise very recommended. Having a fire extinguished nearby is likewise recommended before the refuelling process starts.

Make certain that the surroundings are safe from whichever lit cigarettes or open fires. Look for the fill valve on the cylinder and remove the cover. Next you could attach the fill line to the fill valve. As soon as the fill line is in place, carefully open the bleed valve. This would be a small circular knob on the cylinder which is commonly brass coloured. A hissing sound could escape whenever the valve is open and this is normal so long as it is only air being vented and not actual propane.

Open the fill valve on the fill line extremely unhurriedly, listening for whatever leaks around the connection point. Once sure there are no leaks, the valve can then be opened more. The sound of propane entering the tank should be audible. By no means leave the tank unattended when refuelling and look at the bleeder valve through the method. A spray of white propane gas will emit from the bleeder valve when the tank is full. Turn the fill valve off totally and next close the bleeder valve. Very slowly and cautiously take out the fill line from the tank. Watch for whichever excess gas caught in the coupling which will be expelled when the seal is broken. It should only be a small amount of gas and is normal. Put back the protective cover on the fill valve. Double check all valves are entirely closed. The tank is now set and full to use.