

## Hydraulic Pumps, Valves and Cylinders

Liquid propane cylinders are found on a lot of forklifts. Some facilities are able to refuel their own propane cylinders, however, nearly all will have their cylinders refilled in a different place and delivered to their office instead. When a forklift runs out of fuel, the cylinders are changed. Some training and cautions is required when dealing with propane for the reason that it is a highly flammable matter.

PPE likewise known as Personal Protective Equipment, should be worn when changing or refilling a lift truck cylinder. The liquid is really cold and could cause burning or irritation when it comes into contact with skin. At all times putting on thick leather gloves would help protect hands. Goggles or several standard eyewear together with a face shield is likewise highly recommended. Having a fire extinguished within the immediate vicinity is likewise suggested before the refuelling method starts.

Be certain that the surroundings are safe from any open fires or lit cigarettes. Look for the fill valve on the cylinder and remove the cap. Afterward you can attach the fill line to the fill valve. Once the fill line is in place, carefully open the bleed valve. This will be a small circular knob on the cylinder which is often brass coloured. A hissing sound could escape when the valve is open and this is normal as long as it is only air being vented and not actual propane.

Open the valve really unhurriedly on the fill line, listening for any leaks. If there are no leaks, then the valve could be carefully opened. The sounds of fuel entering the tank should be easy to hear. By no means leave the tank unattended when refuelling and look at the bleeder valve during the method. A spray of white propane gas would emit from the bleeder valve as soon as the tank is full. Turn the fill valve off totally and next close the bleeder valve. Very unhurriedly and cautiously remove the fill line from the tank. Watch for whichever extra gas caught in the coupling which would be expelled when the seal is broken. It should only be a small quantity of gas and is normal. Replace the protective cap on the fill valve. Double check all valves are completely closed. The tank is now ready and full to utilize.