

Request: JHA for changing a forklift propane tank

Job Hazard Analysis — Forklift Propane Tank Change

Task: Changing the LP-gas cylinder on a Class IV powered industrial truck. **Required PPE:** Leather gloves resistant to LP-gas (29 CFR 1910.110(b)), safety glasses, safety-toe footwear.

Analysis

#	Job Step	Potential Hazards	Controls
1	Park truck in designated exchange area, set brake	Struck-by from truck movement; unauthorized use	Designated area away from ignition sources (29 CFR 1910.110(f)); key control [good practice]
2	Close cylinder service valve, run engine to burn off line gas	Release of LP-gas; flash fire	Close valve fully before disconnect (29 CFR 1910.110(b)); no smoking within 25 ft
3	Disconnect coupling and remove empty cylinder	Frostbite from residual liquid propane; strain from ~35 lb lift	LP-resistant gloves (29 CFR 1910.132); team lift or stand-mounted exchange [good practice]
4	Inspect O-ring and mount full cylinder, locate pin correctly	Leak from damaged seal; cylinder falling	Visual inspection each change (29 CFR 1910.110(b)(5)); secure locking bracket
5	Open valve slowly and leak-test with soapy water	Undetected leak; ignition	Soap test at coupling before restart [good practice]; never use open flame to test

Open questions for the competent person

- Is the exchange area at least 25 feet from ignition sources and posted?
- Are operators current on refresher training (29 CFR 1910.178(l))?

Canary AI provides information drawn from the cited sources to support — not replace — professional judgment.

Sources retrieved

- OSHA 29 CFR 1910 §1910.110(b) — Storage and handling of liquefied petroleum gases.
- OSHA 29 CFR 1910 §1910.178(l) — Powered industrial trucks.
- Canary Safety template: jha job hazard analysis template