

EXAMPLE

Be sure to train with the procedures specific to your pump

643U Pump Procedures

Pumping from tank to source

- Prepare to pump from tank
 1. Ensure #1 & #17 valves are open and all other valves shut
 2. Flip low pressure override switch to up position
 3. Turn ignition switch to run position
 4. Wait for glow plug light to turn off
 5. Push in the low oil pressure safety override button
 6. While pushing safety override turn ignition switch to start till pump engine starts
 7. In cold weather the glow plugs may need to be cycled before starting
- Pumping
 - ✓ When auxiliary engine is running check pressure gauge to ensure pump is primed
 - ✓ If pump is not primed pull primer till the discharge pressure gauge shows pressure (Do not run primer longer than 30 seconds)
 - ✓ Open discharge to flow water
 - ✓ Throttle to desired pump discharge pressure
 - ✓ Flip low pressure override switch down

Drafting from source to tank (Setup)

- Prepare to draft from water source
 - ✓ Check all draft hose gaskets
 - ✓ Connect draft hose and strainer
 - ✓ Tighten connections
 - ✓ Confirm strainer is deep enough
- Valve usage
 - ✓ Close all valves
 - ✓ Open # 8 valve
 - ✓ Prime pump

Drafting from source to tank

- Start auxiliary engine (Repeat steps 2 through 7)
 - ✓ Fill tank
 - ✓ Open #2 valve
 - ✓ Use intake gauge to confirm establishment of prime and pulling a draft
 - ✓ Throttle up pump to 85 PSI
 - ✓ After tank is full: Throttle down, open #1 (assures water supply to pump), close #2 (stops tank overflow), close #8 and open #17
 - ✓ Turn off auxiliary engine