

Spool Leakage

Part I

- Connect the hydraulic circuit as shown
- Start the pump and shift the directional control valve to the various positions
- Note the pressures on the gauges when the valve is shifted to the various positions

Part II

- Shut off the pump and shift the directional control valve to release all hydraulic pressure
- Return the directional control valve to the centre position
- Start the pump and **without shifting the directional control valve** note the pressures on the three gauges
- Leave the pump running for 2-3 minutes and note the following:
 - Pressures at ports P, A, B
 - Flow at the measuring glass

Explain what you observe



