SEQUENCE OF OPERATION

1. The oil accumulator system supplies oil between 60 and 125 psig to operate cylinder actuated valves.
2. Oil pumps OP1 and OP2 transfer oil from the sump tank to the pressure tank until the level switch LS1 is satisfied.
3. Air compressors AC1 and AC2 charge the pressure tank with air until the pressure switch PS1 is satisfied.
4. As oil is drawn from the pressure tank through valve OV3, the oil pumps cycle on in a lead/lag fashion to maintain the oil level in the pressure tank.
5. When pressure falls in the tank, the air compressors cycle on in a lead/lag fashion to maintain the air pressure in the tank.
6. Return oil passes through valve OV6 into the sump tank.
7. If electrical power is lost, the pressure tank will continue to deliver oil to power the cylinder actuated valves.
8. The pump and compressor motors can be monitored and controlled from the integral electrical panel.
9. Operation of the equipment is monitored with auxiliary level and pressure switches, and displayed on the panel.