

Steering Gear Internal Leakage test

1. With engine running steer the vehicle to the left.
2. Place a one inch spacer block long enough to keep fingers clear, between the axle and axle stop (to prevent the operation of the unloading/poppet valves).
3. Apply 20 lbs. to the rim of the steering wheel to be sure the control valve is fully closed.
4. The pressure relief valve should read pump relief pressure as noted in the pump test.
5. The flow should range from 0 to 1 GPM.
6. If the flow exceeds 1gpm check for an auxiliary gear or cylinder, disconnect and repeat the test.
7. Repeat the test for the opposite direction of turn.