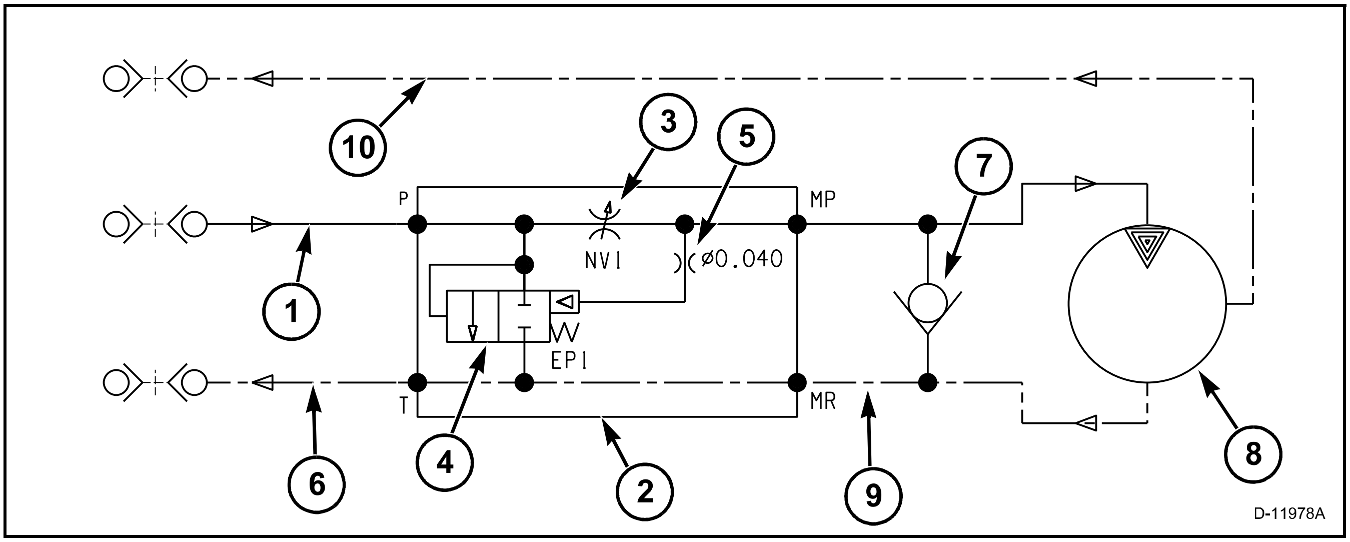

FIG. 5

FIG. 5: The oil flows from the tractor at 45.4 lpm (12 gpm), through the pressure hose (1), and into port P of the blower control valve (2). The blower control valve is used to keep the motor and blower from over speeding. Adjust to maintain 50.8 to 55.9 cm (20 to 22 in) of water column in the hoppers. With the needle valve (3) set at 83.3 lpm (22 gpm) the excess oil will go to the flow control valve (4). The flow control valve will open when the pressure exceeds the pressure coming from the fixed orifice (5) after the oil passes the needle valve. The oil that passes through the flow control valve will exit out the return hose (6). After the oil is pressurized at the fixed orifice the oil will exit the blower control valve and pressurize at the one directional check valve (7). The oil will then enter the blower motor (8) and exit out the motor return line (9), into the blower control valve, and out the return hose. The case drain line (10) returns internal leakage and case oil.