

Title (en)
PUMP CONTROL METHOD AND PUMP CONTROL DEVICE

Title (de)
METHODE UND EINRICHTUNG ZUR REGELUNG VON PUMPEN

Title (fr)
PROCEDE ET DISPOSITIF DE COMMANDE DE POMPE

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Application
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Abstract (en)
Variable delivery main pumps (11) driven by an engine (13) have a capacity control means (35) for changing the discharge rates of the pumps. Power shift pressure output from a proportional control solenoid valve (46) based on signals from a controller (45) is controlled in accordance with the engine speed detected by an engine speed detector (44) and pump delivery pressure of a main pump (11) detected by a pump discharge pressure detector (42). The power shift pressure is introduced into a regulator control valve (39) of the capacity control means (35), and an angle of a swash plate (36) of the main pump (11) is controlled by a regulator (37) so that the pump discharge pressure - discharge rate characteristic is shifted to be optimized. With the configuration as above, the invention provides a pump control device that is capable of reducing the degree of change in the engine speed occurring due to a sudden change in load pressure. <IMAGE>

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