

Title (en)

TORQUE AND HIGH PRESSURE LIMITING CONTROL FOR VARIABLE DISPLACEMENT PUMPS

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Application

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Priority

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Abstract (en)

[origin: WO8201047A1] It is common practice to provide the servo-system for a variable displacement pump with a "load-plus" valve to maintain pump discharge pressure above a minimum pressure level and above load pressure in a fluid actuator connected to the pump in response to the load pressure in the actuator. Systems of this type are normally lacking in a device for ensuring that the prime mover for the pump functions at maximum efficiency. This invention is directed to a pressure and horsepower limiting valve (24) for ensuring such efficiency by modulating a load pressure signal (Pu) communicated to the "load-plus" valve (23).

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