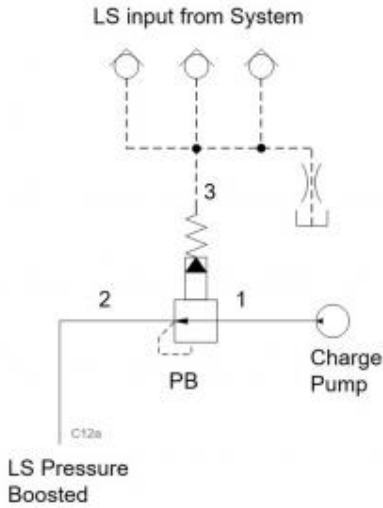


Prepared for :

Prepared by :

Schematics



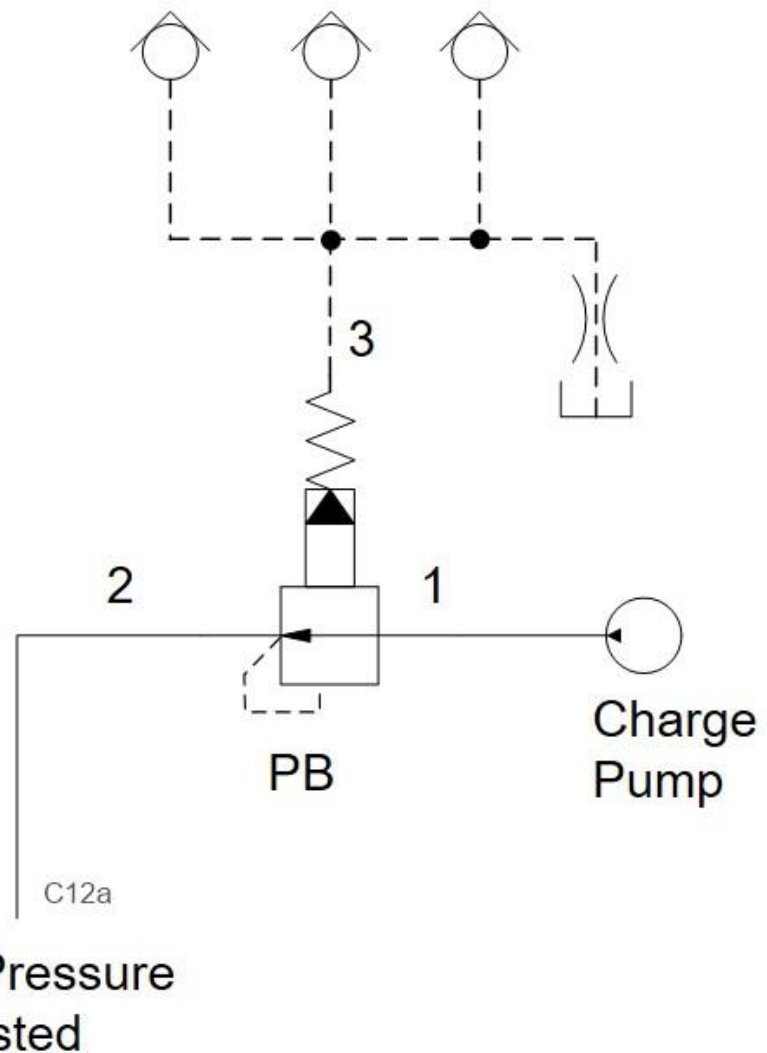
Related Products

Cartridges

PBDB - Pilot-operated, pressure reducing valve

Summary

LS input from System



This example shows an application where a pressure-reducing valve in a charge pump pressure line is used to boost the input load sense lines (LS) coming from the hydraulic system. This boosted LS pressure is then fed to the LS port on the pump controller to do the effective power-saving load-sensing function.

- Pressure-reducing valve: **PB*B**

Benefits of this circuit arrangement:

- The load-sensing signal from a proportional valve is often limited in flow. The capacity may not be sufficient to quickly activate the variable displacement pump that consumes flow in the load-sensing controller.
- An adjustable pressure-reducing valve PBDB can be used to boost the pressure level of the LS signal as shown in the circuit. This circuit uses an additional flow from a separate charge pump.