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HYDRAULIC PUMP MOTOR – BYPASS LOOP APPLICATION

The wiring detail below shows implementation of on-board stopping of the tanker's hydraulically operated pump motor by creating a "bypass loop" for the hydraulic fluid to flow through, rather than driving the pump motor. The solenoid operated hydraulic valve will energize to enable the pump motor to operate the liquid pump when the ROM III is in a permissive state (PERMIT) LED Lit. When the ROM III is non-permissive, the "bypass loop" will be open (hydraulic fluid flowing through this loop).



FIGURE 2 – HYDRAULIC PUMP MOTOR – BYPASS LOOP APPLICATION