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HYDRAULIC PUMP

The hydraulic pump assembly consists of a hand-driven gear pump and integrated control manifold containing pressure relief, non-return and counterbalance valves.

The system is fitted with a suction line strainer to prevent contaminants from entering the hydraulic pump and system.

Pressure relief valves in the system prevent over pressurisation and load-hold valves are fitted to prevent any unintentional movement of the sluice gate cylinder.

The hydraulic pump, valves and other components are assembled along with a cast iron hydraulic fluid reservoir; the hydraulic pump is driven by hand in either direction to raise or lower hydraulically operated Canal lock sluice gates.



HYDRAULIC PUMPS

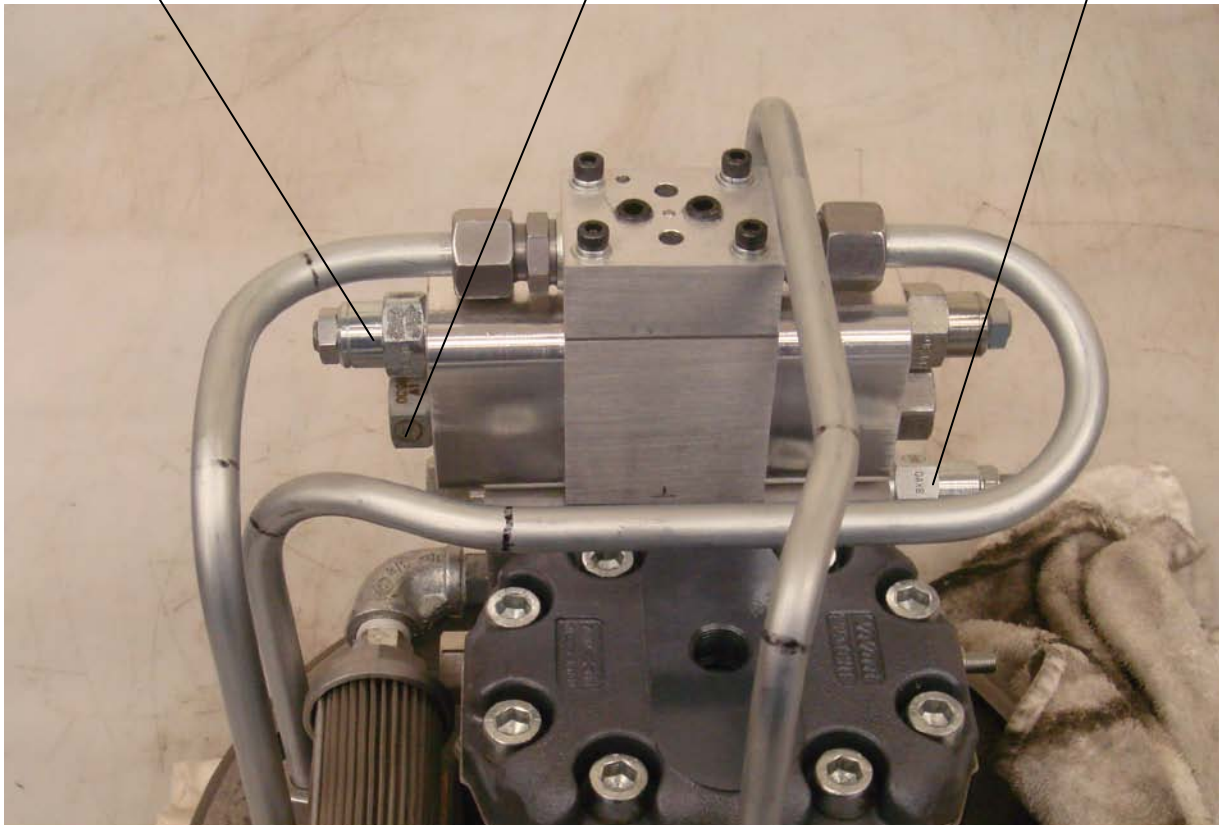
HYDRAULIC PUMP

View inside reservoir of pump-valve assembly

LOAD-HOLD VALVES

NON-RETURN VALVES

PRESSURE RELIEF VALVES



SUCTION STRAINER

HYDRAULIC PUMP

HYDRAULIC PUMP

View inside reservoir of pump-valve assembly



NON-RETURN
VALVES

SERVICE
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