HYDRAULIC CONTROL CIRCUIT FOR PILE DRIVER

ABSTRACT

A pile driver arrangement including reciprocal impact member (1) connected to a piston rod (4) which is also connected to a reciprocal piston (5) located in a hydraulic cylinder (6) having a lower rod end (23) and a upper blind end (25). A first hydraulic fluid conduit connecting the upper blind end (25) of the hydraulic cylinder (6) and the lower end (23) of the hydraulic cylinder (6) and a check valve (15) to prevent the flow of hydraulic fluid from the lower end (23) to the upper end (25) of the hydraulic cylinder (6). A second hydraulic fluid conduit connecting pump (51) to an adjustable trip valve (22) for adjusting the position of control valve (30) to control the flow of hydraulic fluid from the pump (51) to the lower end (23) of the hydraulic cylinder (6). A third hydraulic fluid conduit connecting the trip valve (22) and the control valve (30).