

The invention relates to a positive-displacement hydraulic wheel drive in self-moving full drive car, particularly, to the drive of the auxiliary driving wheels drives of the auto-graders, and other agricultural, road-building and automobile techniques, where a cross-country capability is needed, and a synchronization of the main driving wheels and the wheels of a steering bridge, operated by a separate positive-displacement hydraulic drive, is essential. The positive-displacement hydraulic wheel drive in self-moving full drive car has driven by an engine a hydraulic pump 1 of controlling productivity, a feeding pump 12, an output line 14 of which is connected through the reverse valves 15 and 16 with charging 4 and discharging 5 hydraulic lines of the hydraulic pump 1, and the hydro-engines 2 and 3, a four-line three-positioning distributor 6, an output hydraulic line of which is connected to a drainage 26, and the two 27 and 28 others, correspondingly - to the hydraulic pistons 29 and 30 of controlling element at the pump1, controlled by hydraulic from correspondent charging hydro-line 4 and a hydro-line 5 the reducing valves 7 and 8, connected by the output hydro-lines to the drainage 26, the hydro-engines 2 and 3 are made controlled with only maximum working volume and zero, the cavities of first two controlling hydro-pistons 20 and 21 correspondingly are connected through the four-lines two-positioning valves to the output hydro-line of the feeding pump 12, and the cavities of another two controlling hydro-pistons 22 and 23 through those valves with the drainage are connected to the four-line three-positioning distributor 6. So, in the charging hydro-line 4 a permanent pressure is set, necessary for producing a permanent torque at the leading controlled auto-grader wheels, and this improves its steering, especially at the loosened grounds, and if one of the driving wheels hung in air, or riding it to a slipping surface one of the reverse valves closing, creating by this an additional propulsion for the second hydro-engine.