

The invention relates to propulsion engineering, in particular to devices for controlling the gas distribution of the internal combustion engine and may be used for the production of new engines, and for upgrading engines in service, in which is used the valve drive by the camshaft with hydraulic tappets and throttle gate.

The device for controlling the valve timing and the valve lift of the gas-distributing mechanism, according to the first embodiment, comprises a bush (2), in which is installed a plunger (4) with a skirt and an axial channel with a ball check valve (5). In the upper part of the plunger (4) are made longitudinal teeth or is installed a sector with longitudinal teeth which engage with a bar (7) or with an electric device for controlling the angle of rotation of the plunger (4), and in the wall of the skirt is made an oil drain hole (12). In the wall of the bush (2) are made a side opening (3) for oil supply and shaped transverse recesses (9) and (10) with control edges for opening and, respectively, closing of the valve of the gas-distributing mechanism. On the outer surface of the bush (2) is made an oil discharge groove (11). From the inside of the plunger (4) skirt is hermetically placed, with the possibility of sliding, a piston (13).

The device, according to the second embodiment, is characterized in that the shaped recesses are made in the wall of the plunger skirt, which is made of reduced length, at the same time the drain hole is made in the bush, and the piston is installed from the inside of the bush.

Claims: 2

Fig.: 5

