

Abstract

A large two-stroke diesel engine having at least one cylinder (1), whose combustion chamber (3) comprises an exhaust opening (4) which is controllable by an exhaust valve (5) actuatable by an actuating device comprising an advance arrangement and a return arrangement, and on whose cylinder head (2) a valve housing (9) is mounted which comprises an exhaust duct (9) adjoining to the exhaust opening (4) of the combustion chamber (3), and further a guide sleeve (10) extending through the upper wall of the said exhaust duct (8) for a stem (7) of the exhaust valve (5) extending through the exhaust duct (8), with the return arrangement comprising a piston (15) provided on the valve stem (7) and an operating chamber (17) limited by such piston and chargeable with compressed air, which operating chamber (17) is sealed towards an annular gap (11) to which oil can be fed and which lies between the guide surfaces of the mutually facing guide sleeve (10) and valve stem (7) and communicates with the exhaust duct (8), by means of a sealing device arranged in the region of the upper, exhaust duct-far end of the annular gap (11) and possessing at least one sealing ring (22), simple design and maintenance-free operation can be achieved in that above the sealing ring (22) of the sealing device facing the exhaust duct (8) provision is made for an oil reservoir (24 or 32 or 36) which can be supplied with oil which latter is present on the upper side of the said sealing ring (22) away from the exhaust duct (8).