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Eroshchenkov S.A. Determination coefficient of remaining gases in a two-stroke engine with the spark ignition /

S.A. Eroshchenkov, V.A. Korogodsky, A.A. Khandrymailov,

O.V. Vasilenko // Internal combustion engines. –

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The experimentally-analytical method of researches

defines values of residual gases coefficient (γ) in a twostroke

engine with spark ignition at use the carburetor power

supply system and direct injection fuel. Researches were

spent by simultaneous sampling of gases from the cylinder

and final system the engine on a compression step, and by

means of three-dimensional modeling of a current of gases in

the cylinder, inlet and final systems. The adequate mathematical

model allows defining γ in a two-stroke engine at

external and internal mixing in a wide range of high-speed

and loading operating modes. Il. 6. Bibliogr. 6 names.