

UDC 621.436

Alyokhin S.A., Pelepeichenko V.I., Pererva P.J., Kunicyn P.E. Borodin D.Yu. Compression process peculiarities in low-sized two-stroke engines with uniflow scavenging // Internal combustion engines. – 2005. – 1. – P. 40-43.

The results of calculation of quantity of movement and maximal tangential component of speed vector of fresh charge in the process of compression inside 2-stroke diesel with uniflow scavenging have been presented. It's proved that under the same external conditions decreasing of cylinder diameter causes decreasing of air rotation intensity in combustion chamber at the initial moment of fuel injection. Il. 4. Bibliogr. 5 names.