УДК 621.436.03

Grytsiuk A.V. New opportunities of the divided system of a direct action used for improving performance of a small-capacity diesel / A.V. Grytsiuk // Internal combustion en-gines. – 2009. – №2. – Р. 32-35.

The results of motor tests of an injector equipped with the differential piston and pressure pulses modulator have been given. It has been established that two –phase injection of fuel into the cylinder of high-speed small capacity diesel engine with simultaneous increase of its maximum pressure is qu ite possible not only at mathematical modeling of the fuel supply-ing system but also in case of engineless unit used for testing this fuel supply system and in case of single-cylinder diesel compartment. Exercising control over the combustion process using the divided fuel injection system is a significant step towards developing the domestic high-speed small-capacity engine with common rail system. Tabl.1. Il.6. Bibliogr. 8 names.