UDC 621.438

Timoshevsky B.G. Experimental research of parameters piston ICE with bioethanol conversion thermochemical system / B.G. Timoshevsky, M.R. Tkach, A.S. Mitrofanov,

A.S. Poznansky, A.Y. Proskurin // Internal combustion

engines. – 2011. – № 2. – P.3-8.

A construction and an operating principle of the experimental

plant for engine operation study with system of

thermochemical bioethanol conversion is described. Dependences

of conversion level of bioethanol on key parameters of

steam conversion process and geometrical performances of

the reactor are received. The comparative analysis of indicator

diagram’s is carried out at engine operation on a manufactured

gas, a propane and gasoline. Table. 1. Il. 6. Bibliogr. 11

names.