UDC 629.113

Podznoev G.P. Thermodynamic model regenerative twostroke engine using energy-based aluminum hydride /

G.P.Podznoev, U.A. Abdulgazys // Internal combustion

engines. – 2011. – № 2. – P. 57-60.

In the article by mathematical calculations and

simulation determined the optimal ranges of the parametric

characteristics of the cycle, depending on the amount of added water on hydrolysis regenerated heat to the environment and peroxide hydrogen in which the work is

adequate conventional Diesel. The structure of the book

supplied to the cycle of heat is shown, the best option and the

ratio of the parameters marked principle advantages of a twostroke

engine are determined. The possibility and advantages

of various sizes to internal combustion and preparation of the

working of the body outside the cylinder piston engine was

demonstrated. Table. 1. Bibliogr. 5 names.