UDC 621.436: 551.321.8

Belogub A.V. Developing the economical model of operation of the tractor diesel engine within the system of forecasting the resource durability for combustion chamber components / A.V. Belogub, V.T. Turchin, V.A. Pylyov,

N.V. Prokopenko, S.N. Baklanov, S.V. Silenok // Internal

combustion engines. – 2009. – №1. – P. 100-103.

The known models of operation of the tractor diesel engines

have been analyzed. A series of numerical experiments

was carried out for an array of representative operation polygons

to determine the piston temperature conditions. For the

purpose of increasing the efficiency of the method used for

forecasting the resource durability of a piston and other combustion

chamber components the developers offered to unify

the representative polygons of detailed model of the diesel

engine operation based on the characteristic definite temperature.

Il. 1. Bibliogr. 7 names.