UDC 621.43

Prokhorenko A.A. Influence of two-stage combustion on indicator indexes of auto-tractor diesel engine // Internal

combustion engines. – 2007. – № 1. – P. 63-69.

The basic results of a сalculated-experimental research

of efficiency of application of two-stage combustion of fuel in

an auto-tractor diesel engine for lowering noise of its operation and ejections of nitrogen oxides without aggravation of indicator

efficiency are reduced. Is shown, that most effective is the

introduction of such law of combustion on conditions of partial

loads, where there is an opportunity considerably to lower

maximal rate of pressure rise in the cylinder. Tabl. 5. Il. 8.

Bibliogr. 7 names.