

УДК 621.436

Marchenko A.P. Simulation of a warming-up of a fuel film on a wall of the combustion chamber of a diesel, which has a partially-dynamic heat insulation of its piston

/ A.P. Marchenko, V.V. Pylyov // Internal combustion engines.

– 2011. – № 2. – P. 28-33.

In a paper a mathematical model of a warming-up and vaporisation of a fuel film on a wall of a combustion chamber of a piston of an internal combustion engine is offered.

This model considers heat exchange. It is investigated effect of presence of a partially-dynamic heat insulation of the wall on its temperature and temperature of the fuel film on it.

Table. 1. Il. 4. Bibliogr. 10 names.