

UDC 621.1.018

Polivyanchuk A.P. Modelling the process of cooling of exhaust gases of the diesel engine in the diluting tunnel // Internal combustion engines. – 2005. – 1. – P. 121-125.

The problem of security in the monitoring systems of particulate emissions of diesel engines (tunnels) in conditions of dilution of exhaust gases surveyed by air corresponding to the standard (full-flow) tunnel is considered.

The mathematical model of exhaust gases cooling process of the diesel engine in the tunnel is developed.

Experimentally adequacy of the developed model is confirmed. Recommendations on her practical use are made. Tabl. 1. Il. 2. Bibliogr. 8 names.