

# THE DEVELOPMENT OF MATHEMATICAL MODEL OF HYDRODYNAMICS OF "TPAPPED" VOLUME IN THE GEAR PUMP

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In work is described created mathematical model of hydrodynamics of trapped volume in the gear pump. Developed model allowed to choose a configuration of the discharge plates which provide decrease of pressure in trapped volume. The efficiency of this action was approved experimentally.

*Mathematical model, "trapped" volume, gear pump, flow ripple*

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