

# OPERATE RELIABILITY ENHANCEMENT OF THERMOGENERATOR MODULES FOR HEAT ENGINE WITH ACOUSTIC EMISSION METHOD

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Methodology preparation of thermogenerator modules (TGM) selection for heat engine in backend of the assembly process with acoustic emission method is carried out. Acoustic emission (AE) method and its informative attributes are justified for TGM quality control. Special amplitude informative AE parameters were introduced for this purpose. There are also results of TGM longevity test with AE signals registration and selection method in this paper.

*Engine, thermoelectric module, quality control, reliability, acoustic emission*

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