



DETERMINATION THE PERIODICITY OF MANAGING OF PREVENTIVE MAINTENANCE OF TECHNICAL SYSTEMS

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Abstract: *There is given methodology of determination the periodicity of managing the processes of preventive maintenance of technical systems, within strategy of its preventive maintenance. This methodology is possibly to apply when there one can manage the revision which doesn't change intensity failure of analyzed part after every failure.*

Key words: *motor vehicle, technical systems, preventive maintenance*

1. INTRODUCTION

Timely managing of preventive maintenance operations and quality of their conduction represent effectiveness of preventive maintenance of technical systems. Frequency of failure occurrence in vehicles dictates times of preventive maintenance operations. Quality of failure identification depends on kind of discovering of defective elements, applied methods of defects prediction and periods predicted for preventive maintenance. Efficiency of preventive maintenance depends in essence on skill of motor vehicles usage.

Some of basic methods of failure prevention are:

- Quality control of devices functionality on the base of outgoing parameters. This method is based on the fact that change of intake parameters lead to interrupted functionality, which lead to changes of outgoing parameters. Here it is not straightforward possible to discover element which caused failure. For identification of defect is necessary to detect defective element and its maintenance.

- Use of statistical probability of part proper operation until first failure, obtained on the base of long term operation experience. In this case is possible, with certain probability, to predict moment of failure and to make steps to prevent it.

- Control of physically chemical changes of structure of considered parts if prediction devices are available.

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