

SOME VIEWS OF FUTURE STRATEGIES OF MAINTENANCE OF MOTOR VEHICLES

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SUMMARY

Essence of traditional and modern strategy of motor vehicle maintenance is analyzed. Special attention is given to modern strategy of motor vehicle maintenance.

Without integral logistic support, esp. information systems for management of maintenance, we cannot speak about possibility to apply modern strategy for vehicle maintenance.

Two types of preventive maintenance are mostly used. First is preventive maintenance based on reliability information (on empirically defined distribution of possibility of work time until breakdown). By application of this type of preventive maintenance, maintenance procedure is planned in order to provide required level of reliability, most often by preventive replacements after a definite work periodicity. Other type of preventive maintenance is based on connection of information about reliability and information acquired in view of constant and systematic follow-up of vehicle (follow-up of selected parameters and indicators that with enough security show its condition).

Strategy of total productive maintenance is based on statement that only by maintenance it is not possible to maintain projected level of reliability during exploitation, but it is necessary to have active participation of users and everyone who is in relation to the maintained vehicle.

Main application of so-called accelerated strategies of maintenance is not to conduct any activity of preventive maintenance if it is not economically justifiable.

Nowadays there is a tendency towards combined application of existing strategies of maintenance. The reason is placed in variety of maintained vehicles. Second reason is existence of flaws of current strategy for maintenance.

By application of knowledge based system, or so-called soft computing, we come to efficient methods used for treatment of problems while maintenance of technical systems, from the aspect of imprecision. One of such systems is fuzzy logic.

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