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LIFE DATA ANALYSIS FOR RAIL SYSTEM FLEET VEHICLES

Abstract:

Planning, conducting and control of maintenance activities enable to the highest level of availability of transport vehicles in the fleet is one of the most important aspects of transportation. Maintenance is a set of activities that carry out to keep a system or equipment in operation. Maintenance activities are basically divided into two types as preventive maintenance and corrective maintenance. Life data analysis is of crucial importance in terms of determining the failure distribution. Failure distribution of machines and equipment has to be known for planning space parts, labour and tools. This can be determined by using failure data and suitable statistical method. In this study, failure distribution parameters of transport vehicles in the rail system fleet were determined by using real failure data. Applied method was shown for the equipment which is vitally important.

Keywords:

Life data analysis, Failure distribution parameters, rail system fleet vehicle, maintenance.

JEL Classification: C13, C34, L62