



DETERMINATION OF DYNAMIC LOADS FROM THE ROAD SURFACE ACTING ON THE CHASSIS BY EXPERIMENTAL METHODS

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Abstract

Chassis is the main structural component of the automobile, which is subjected to the full weight load suspended. During the operation, the chassis is subject to dynamic loads depending on the driver and road conditions. The variation of dynamic loads causes fatigue failure to reduce the life of the chassis. Therefore, the determination of dynamic loads as input for chassis durability problem is necessary.

This paper presents the research results on determination of dynamic loads from the road surface acting on the chassis of the multi-purpose forest fire fighting vehicle by experimental methods. Actual tests are performed when vehicles move on forestry roads, in accordance with the actual working conditions of the vehicle.

Keywords: Chassis, Dynamic loads, Multi-purpose forest fire fighting vehicle.