



ASSESSMENT ON EFFECT OF LOAD FREQUENCY TO DURABILITY OF CHASSIS OF THE MULTI-PURPOSE FOREST FIRE FIGHTING VEHICLE

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Abstract

Chassis is the main structural component of the automobile, it is subject to many damage due to fatigue or destruction during the operation of the automobile. Therefore, it's important to research and assess the durability of the chassis. In particular, studying the effect of load frequency on chassis durability is very important in the assessment of chassis durability.

This paper presents the effect of load frequency, from the road surface and engine to chassis durability when the multi-purpose forest fire fighting vehicle operates in some cases when moving on the road. The assessment of the effect of load frequency on the chassis durability of the multi-purpose forest fire fighting vehicle contributes to input parameters for the determination and assessment of fatigue problem and breaking strength of the chassis.

Keywords: Chassis, load frequency, multi-purpose forest fire fighting vehicle, chassis durability