

IMPROVEMENT OF AGRICULTURAL TRACTORS RIDE COMFORT APPLYING ROTATIVE TILGER IN DRIVER'S SEAT SUSPENSION

This paper deals with the improvement of agricultural tractor ride comfort by means of a rotative tilger (a simple mechanism with rotative disc), added to the suspension system of the driver's seat.

A field experiment was carried out in order to examine the effect of the rotative tilger on the ride comfort. An experimental tilger was built into the suspension of tractor seat, and vibrations of the seat were measured while the tractor was run at constant speed along a rough field road.

The results obtained shows that the improvement of agricultural tractor ride comfort can be attained by using the rotative tilger.

Key words: tractor, seat suspension, comfor.

POBOLJŠANJE KOMFORA VOŽNJE POLJOPRIVREDNIH TRAKTORA PRIMENOM ROTATIVNOG TILGERA NA SISTEMU OSLANJANJA SEDIŠTA VOZAČA

Ovaj rad se bavi poboljšanjem komfora vožnje poljoprivredni traktora pomoću rotativnog tilgera (jednostavnog mehanizma sa obrtnim diskom), dodatog sistemu običljenja vozačevog sedišta.

Izveden je terenski eksperiment da bi se ispitaio efekat rotativnog tilgera na komfor vožnje. Jedan eksperimentalni tilger je ugrađen u ogibljenje vozačevog sedišta i merene su vibracije jastuka sedišta za vreme kretanja traktora konstantnom brzinom po neravnom, zemljanom putu.

Dobijeni rezultati pokazuju da se korišćenjem rotativnog tilgera može poboljšati komfor poljoprivrednog traktora.

Ključne reči: traktor, oslanjanje sedišta, komfor.