



Unele consideratii privind adaptarea Tractorului U - 445 la alimentarea cu ulei vegetal

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Previous test bed and field experiments have shown that it is possible to use sunflower oil-Diesel fuel blends in order to fuel the U-445 tractor; unfortunately, this leads to the alteration of some of its dynamic and traction characteristics. In this paper we are trying to find out what constructive changes of the drivetrain must be done in order to bring the tractor back (or near) to its original performances. We have concluded that changing the gearbox ratios allows the improvement of some dynamic and traction characteristics of the U-445 tractor, when using a sunflower oil-Diesel fuel blend as fuel.