

OPERATING SYSTEM ANALYSIS OF AGRICULTURAL TRACTORS IN THE
ASPECT OF MAINTENANCE

This work involves a comprehensive analysis of technical facilities functioning in the conditions of province agriculture. podkarpacki. It consists of a theoretical part and research part of conducting statistical surveys and analyzes. In the theoretical part discusses the state of technical infrastructure of agriculture until 1990. And after this period, representing the current level of agricultural technology in Poland and in the region taking into account the former technical agriculture and its still-functioning energy facilities subject to physical aging and functional, modernized through the processes of repair and regeneration, and the new technical measures which systematically is equipped with Polish agriculture. It also presents an overview of issues related to technical and technological progress in the construction of agricultural tractors, durability and reliability of agricultural machinery. This section has also been discussed technical service of tractors during periods of warranty and post-warranty / operating /. Due to the leading research topics concerning the repair of agricultural tractors we present issues related to the processes of wear assemblies and parts, repair technology, regenerative capabilities in economic and ecological aspects. The content of the work is richly illustrated with examples of use and maintenance and emergency repair capabilities using various techniques and methods. You have attempted to estimate the economic impact of regeneration of selected parts and assemblies analyzing their relationship with the new factory prices. The study was conducted on large groups of representative domestic production of tractors Ursus et al. which were characterized by different age and degree of wear and tear and foreign Fendt and Massey Ferguson. Research was also conducted on small groups of representative aspects of tractors failure indicators, depending on the age and mileage of the motor. The collected material made it possible to determine the maintenance process at different levels organizacyjnych- naprawy- inspections. The analysis was performed based on the obtained information about the size of technical services, documentation and interview workshop with service personnel, interviews with farmers. On the basis of statistical calculations and analyzes of a 4-year study period developed proposals for the tasks occurring during intensive use of agricultural tractors which made it possible to verify the assumed hypotheses. The final part of the work are the issues of instrumentation obsługowo- repair and possibilities of its application in practice.

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