



THE RESOURCE ENHANCEMENT AND IMPROVED TECHNOLOGY OF WORKING BODIES OF AGRICULTURAL TECHNIQUES

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Modern cultivators are now widely used in the processing of polyz crops between acorns and many crops. Scientific research of scientists who worked on the causes of the eating of working parts of processing machines and their solutions. The damage caused by standing idle in a broken state of the technique is also very high. Agricultural machinery costs up to 35 percent of the total working time when driving on the ground, and up to 50 percent when harvesting is spent on troubleshooting. V.V. In a textbook published under kurchatkin's taxri —from ancient times to today, from the first work weapon (stone, knife and ax) to modern space rockets and robots, what a person invented, he tried to make it reliable at his own level of possibility. However, it is impossible to create a car that is completely unbreakable and suitable for permanent work, since as a result of the influence of various factors on it, the details over time are inherent. The famous Russian scientist V.M.Kryajkov, on the other hand—is considered that the repair of cars is not a special purpose, but rather a very significant role in the general system of ensuring their suitability for work. Because current existing techniques cannot be used without repairs. It is also possible to improve them in terms of increasing service life at the same time as repairs. On the basis of these examples, it can be concluded that since agriculture is not provided with new and high-quality equipment, and they cannot be replaced by new and modern types in time, there will still be a need for a periodic system of current and overhaul of existing techniques. The main reasons that lead to the need for maintenance and repair of machines are as follows. Academician Sh.U.As yolandyev noted, - malfunctions that occur in cars are caused by the appearance of various defects in their details and their eating. This causal Q.X. In the work of the Cabinet—despite the experience gained over many years of the creation and use of machines, the existing machines are not yet fully able to meet today's demand. In particular, these machines have a relatively large number of failures due to the breakdown of friction compounds. It is said that more than 80% of the failure of these machines occurs as a result of eating. Sh.A. Shoobidov and A. In the training manual of irgashevs—eating is the main reason for the appearance of defects in the car. During the operation of the machine, deviating slits appear from the permissible size, which prevent the normal operation of its interlocking nodes and details. The main reason for this is eating, which occurs as a result of mutual friction of adjacent details. It should be noted that more than 80% of the disruptions that occur in machines are due to eating—indicated. S.M. Babusenko has indicated that a decrease in reliability of tractors and cars and a decrease in service life is mainly caused by the eating of details. Eating is an inevitable phenomenon. The most basic of the edible species is abrasive edible abrasive particles that deform the sliding surfaces many times, causing microcracks. The degree of development of these jaraens will depend on the hardness of the detail material and abrasive particles. The hardness of abrasive particles is higher than that of most structural materials. Therefore, carbide alloys (compositional materials) that have a structure consisting of a solid carbide phase and a matrix that holds them firmly,

as a casting and welding material, it is used in details that work in harsh conditions. In Mechanical Engineering, a number of types of materials are used when applying details that work in conditions of

abrasive eating. The specifics of the working conditions of the technological machine and equipment details include the presence of lubricant and abrasive particles in the environment around the machine. The main factor that leads to a reduction in the service life of machines is abrasive eating. The main type of abrasive that affects the details of the machine is considered quartz grains, the maximum hardness of which does not exceed 12,000 MPa. The mechanism of abrasive eating is complex and diverse, which will depend on the individual conditions. But its meaning can be seen as the originator of the phenomenon of sliding abrasive grains with sharp edges, subject to microcracks on the surface of the detail and plastic deformation of metal microparticles. This phenomenon can only occur if the abrasive particles are deposited on the edible surface, that is, the hardness of the abrasive grains is higher than the hardness of the edible material. In the case of abrasive eavesdropping, it is important to con.

Conclusion.

Based on the above examples, it can be concluded that in the process of operation of agricultural and melioration machines, no matter how perfectly created, various defects and edible malfunctions occur in them. As a result, they develop the need for maintenance and repair. Maintenance and repair costs for existing machines are relatively high, leading to a decrease in the efficiency of using machines. This led to a demand to improve maintenance and repair of the technique and to seek ways to reduce the costs incurred on them. Their increase from year to year, taking into account the value of repair work and the interdependence of labor, material, energy resources spent on it, is very harmful to the national economy.

Literature used

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