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The Systems of Vibration Monitoring of the Agricultural Machinery Condition

Abstract: Increasing the reliability and operating efficiency of the engineering equipment is the everlasting goal of technological advancements in any industry. Therefore, condition monitoring of the equipment is the primary objective for getting the up-to-date information about the operational parameters of a system. The use of such comprehensive systems in the agricultural sector is of strategic importance as they ensure the efficient allocation of resources for machine maintenance and safe operation. The presented article analyzes the current trends in development and integration of the agricultural machinery monitoring systems, in particular, the vibration monitoring systems. The classification of these systems has been studied and the general conclusion about possibility of their implementation and operation in the real objects has been made.