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**HISTORICAL FEATURES OF DEVELOPMENT OF SCIENTIFICALLY-
TECHNOLOGICAL PROCESSES OF FREIGHT CAR PRODUCTION AT
THE KREMENCHUG MOTOR-CAR PLANT IN THE SECOND HALF OF
XX – AT THE BEGINNING XXI OF CENTURIES**

Summary

Actuality of systematization of actual material and analysis of historical development of freight car production is set in Ukraine that will provide drawing on the most substantial accomplishments of the past for effective innovative activity in home motor industry. The historical features of development of scientifically-technological processes of freight car production are certain at the Kremenchug motor-car plant in the second half of XX – at the beginning XXI of centuries.

An enterprise for all period of the existence, beginning from 1945, three times changed character of production. But, without regard to frequent reorganization, Kremenchug motor-car plant – one of not many enterprises in Ukraine, that succeeded to enter ten of leaders of motor industry. For today the Private joint-stock company of «AutoKrAZ» is included in ten of leading world leaders from a heavy car production, and is the only producer of trucks in Ukraine that has the reserved technological cycle of production.

The Kremenchug motor-car plant produces the wide spectrum of trucks and awaiting-parts to them, and also trailers and semitrailers. It is set that the model row of the Kremenchug motor-car plant counts 33 base models, almost 350 modifications and over 1500 acquisitions of 2-axial, 3-axial and 4-axial trucks with different layout decisions. It is cars-tippers, saddle tractors, side cars, motor-car undercarriages under editing of the different special equipment.

In times of existence of trade mark of «KrAZ», beginning from 1959, over 814 thousand units of trucks got off from the conveyer of plant. In the last few years assortment of products that is produced by the Kremenchug motor-car plant, broadened considerably, first of all, due to the new models of the special technique and cars of perspective generation with arrangement «booth above an engine». It is a communal technique, lorry convoys by the carrying capacity of to 75 т, reserved technique and other. A car «KrAZ» production is aimed at basic market segments: building, travelling and communal economies, mining and tree felling industry, oil and gas complex, military powers and subdivisions from liquidation of emergencies.

The introduction of scientifically-technological processes and front-rank technologies and technical improvements provided the production of reliable, powerful and comfortable cars-tippers, saddle tractors, side and reserved cars, motor-car undercarriages under editing of the different special equipment, that answer the modern requirements of international standards from ecological and travelling safety. The system of management of quality of the Kremenchug motor-car plant is certificated on accordance to the requirements of international standard of ISO/TS 16949:2009. Scale work of all subdivisions of car factory was preceded the receipt of certificate for the sake of implementation of modern requirements of world motor industry, and also the careful public accountant verifications conducted by international public accountants. Due to the permanent improvement of processes of the management system and perfection of methods of work it was succeeded to inculcate the modern system of management of quality that functions on the enterprises of world motor industry.

Certainly, that over 85% of trucks of production of the Kremenchug motor-car plant to 70 countries of the world are exported. On firmness and endurance they were checked by time and millions of kilometers of roads and lack of roads, severe climate of all continents. Geography of sales of cars "KpA3" consistently broadens due to mastering of new markets of sale.

Key words: *historical features, development, scientifically-technological processes, freight car, motor industry production, Kremenchug motor-car plant.*