

# My theme of dissertation is

Research and development of the  
project area for setting up and adjusting  
the diesel engine fuel equipment YMZ-  
238NB and 248NB - YaMZ

# Practical and theoretical significance:

- *the significance lies in the fact that the JSC "Kazakhstan Agro-Innovation Corporation (KAIC)" included in the map of industrialization, this business requires scientific potential in the field of innovative solutions in the industry, in particular agro-technical park.*



# The relevance of research:

- is to introduce innovative solutions maintenance agronomic Park JSC " KAIC ", the company is working on the Industrialization Map in the map of industrialization includes only the largest projects . Priority is given to projects with the final product , with the creation of high-performance jobs , innovation and energy efficiency projects with a high level of technological conversion .
  - Analysis of the provision of services for the maintenance and repair of equipment of fuel equipment of diesel engines ;
  - Development of the project area to repair equipment diesel engine fuel equipment ;
  - Study the reliability of diesel engines by adjusting the basic parameters of the fuel equipment , taking into account technical condition ( wear ) engines.



# Novelty

- modernization of agro-technical innovations of the park;
- modernization of maintenance on the JSC "Kaika"
- procedure sets the optimum adjustment parameters of a new or overhauled fuel equipment, depending on the technical state (wear) of the engine;
- mathematical model for calculating the reliability of diesel engines, depending on the settings of the fuel equipment, and wear of the engine;
- method of verifying timing of fuel injection, and a device for its implementation, based on the comparison of the reference and test samples of automatic clutches.



# Purpose of the study:

- Develop at least two technical solutions for modernization of agro-technical park in JSC "Kaik"
- Provide a theoretical basis of modernization agro-technical maintenance of the park on the JSC "Kaik"
- Almost implement innovative solutions to modernize the fleet of JSC "Kaik"
- Identify the features of the demand for repair devices diesel engine fuel equipment
- Develop an effective system of safety at the site ;
- Determine the cost-effectiveness of implementation section ;



# Expected results

- *Implement the act in the production of JSC "KAIC"*

*Thanks for the attention!*

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