IMPROVEMENT OF REFINED PETROLEUM PRODUCTS STORAGE IN THE TANK

Background
Petroleum product before it will be supplied to the consumer is usually stored in the tank. To eliminate the stratification of liquids in tanks the various methods are used. Storage tanks for gasoline and diesel fuel in Russia for the mixing process is mainly equipped with a propeller stirrer «Diagen» «Typhoon». However, use of these mixers is unsafe and ineffective.

Aims and Objectives
To develop the energy-efficient and fire-safe methods of storage of refined petroleum products in tanks. To eliminate fluids stratification, to obtain the homogeneous mixture with the desired properties in the entire volume of the tank.

Methods
Experience in the development and implementation of hydraulic jet mixers for the storage tanks of gasoline, diesel fuel.

Conclusion
The studies show that using hydraulic jet mixers developed by the authors the fireproof and energy efficient mixing of gasoline, diesel fuel in the tanks for the acquisition of properties required by the user could be achieved.

Key words: gasoline, diesel fuel, tanks, energy efficiency, industry, safety, ecology

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