

RESEARCH ON THE POSSIBILITY TO USE THE MIXTURE OF CONVENTIONAL LIQUID FUEL WITH VEGETABLE OILS FOR ENERGY GENERATION

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ABSTRACT

The paper presents the first research concerning the utilization of the mixture between liquid fossil fuels and vegetable oils for energy generation. Vegetable oils are renewable bioliquids with a high agricultural potential in our country. Heavy and low fossil liquid fuels were mixed with 20% and 40% of vegetable oil and their characteristics are presented. Numerical application emphasized the burning velocity that shows the compatibility of these mixtures with the furnaces and boilers which are now in use

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