

TECHNOLOGY FOR PRODUCING LIQUID FUELS THROUGH PROCESSING CARBON-CONTAINING WASTES AND FUEL OIL

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Abstract – The results of the development of technology for producing liquid fuels through the joint pyrolysis of a mixture of carbon-containing wastes, fuel oil and low-energy coals in the presence of local aluminosilicates, are presented. The technology provides production of liquid transport and boiler fuels, as well as chemical raw materials, which can be further used in general organic synthesis. The procedure can represent an alternative for the convenient use of oil or gas as the main energy source, in addition, it is more efficient and safer than the traditional coal combustion.

Keywords: pyrolysis, processing of fuel oil, coal, local aluminosilicates, boiler fuel, chemical raw materials, alternative energy sources.