SHALE-OIL-DERIVED ADDITIVES FOR FUEL OILS

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> Studies have shown that the oxidation, wearing, and anticorrosive properties of shale oil as an additive to liquid fuels and oils enable to improve the conditions of their use. Studies conducted by Institute of Oil Shale have shown that it is possible, on the basis of shale oil produced by Viru Keemia Grupp AS (Viru Chemistry Group Ltd.) and, particularly, on the basis of its fractions 230–320 and 320–360 °C to produce efficient and stable additives for liquid fuels to improve their combustion and storage properties. In the production of additives from shale oil the prerequisite taken into account is its complexity of composition and high concentration of neutral and phenolic oxygen compounds. Additives produced from shale oil have multifunctional properties which enable to improve operational data of liquid fuels and to increase the power of diesel engines and boilers.