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thermal analysis (STA), low-temperature nitrogen adsorption, X-ray photoelectron spectroscopy (XPS), high-resolution transmission electron microscopy (HR-TEM).
It was found that choice of sulfiding agent does not determine hydrotreatment effectiveness. Physical and chemical characteristics of both spent catalysts were almost equal. The use of DADS mixture as sulfiding agent for hydrotreating catalysts was approved.

All-Russian Research Institute for Oil Refining [VNII NP], Moscow;
Samara State Technical University;
STC Salavatnefteorgsintez Ltd Co;
Gazprom Gazenergoset Ltd Co.

Mitusova T.N., Lobashova M.M., Kalinina M.V., Erchov M.A.

Diesel , marin fuel and additives

Keywords: diesel fuel, additives, marine fuels.

Abstract. The basic standards for diesel fuel production are considered. Information for additives to diesel fuels EURO. It is noted that a feature of the Russian market is a wide range of additives used. The reguirements of MARPOL to marine fuels and ways to reduce the sulphur content are considered.

All-Russian Research Institute for Oil Refining [VNII NP], Moscow

Zolotov V.A.

Global requirements for operational properties of modern motor oils

Keywords: Operational properties, classification, specification, engine oil additives, environment, fuel efficiency.

Abstract. This article contains information about the current requirements of global manufacturers to the level of operational properties, ecological safety and fuel efficiency in the application of modern motor oils

All-Russian Research Institute for Oil Refining [VNII NP], Moscow

Danilov A.M., Ovchinnikov K.A., Bartko R.V.

The main trends in the field of additives for fuels and oils

Keywords: additives for fuels, additives to oils, oils *Low SAPS*.

Abstract. The main tendencies of development and application of additives to the fuels and oils trends are considered. Wi can assume that the main technical solutions in the field of additives for petroleum fuels was found. Interest moves out of the way of additives to fuels of biological origin. The appearance of engines of new designs stimulates research in the field intinerary additives. In the field of oil additives continue to develop packages for oils Low SAPS. Noted that it is important not only as additives, but the quality is the basic of the basics.

All-Russian Research Institute for Oil Refining [VNII NP], Moscow

Danilov A.M., Salakhov I.I., Safiullin A.M., Abbasov M.M., Bezgina A.M., Kosmina I.B.

Development and implementation of anti-wear additives on the basis of fatty acids from alternative plant materials

Keywords: low Sulfur diesel fuel, anti-wear additive, vegetable fatty acids.

Abstract. Domestic raw material base for the production of anti-wear additives for low-sulfur diesel fuel is analyzed. It is shown that in addition to the fatty acids of tall oil based antiwear additives can be acids, allocated from the products of processing of sunflower oil and other oil crops. Developed additive on the basis of such oils, organized its production.

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Joint Stock Company «TANECO»;
Gamma-additive LLC

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Prospects for the development of standardization in Russian oil refining

Keywords: technical regulation; technical directive; standard; counterfeit.

Abstract. The article outlines the forecast for the development of standardization work in oil refining for the near future. A review of international and foreign standardization systems affecting the work on technical regulation in Russia is presented.

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