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**THE ANALYSIS OF THE PRODUCTION VOLUME AND COKE QUALITY OF UKRAINIAN COKE-CHEMICAL ENTERPRISES IN 2020**

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*The analysis of the production volume and coke quality in 2020 of 8 Ukrainian coke-chemical enterprises as well as industries located in the controlled territory of Ukraine has been carried out. It is shown that the amount of imported coal for the needs of coking industries amounted to 73.5 %, and the share of domestic coal in the raw material base increased by 3.1 % compared to 2019. The quality of the coal charge at these enterprises was inferior to the quality of the charge of the world's leading coke producers in terms of the yield of volatile substances by 12 % (relative percentages) and compared to 2019 by 1.3 %. The production of 6 % moisture gross coke amounted to 9707.0 thousand tons, which is 3.2 % less than in 2019. Due to a decrease in the production of the main type of product and a change in the composition of the charge, the volume of production of by-products was changed (the volume of coke oven gas was reduced by 2.0 %, by 0.6 % - coal tar, by 11.2 % - benzene, by 16.4 % - sulfuric acid and increased by 0.6 % the volume of production of ammonium sulfate and by 0.7 % - industrial gas sulfur).*

*The overall quality of Ukrainian-made coke fully meets the requirements of the relevant technical specifications and the best world analogues. A study to determine the share of coke of domestic producers in the total volume of coke supplied to Ukrainian metallurgical enterprises found that in the period 2017-2021, the difference between manufactured (including exports) and supplied (including imports) coke was 14.7 - 16.7 %, and the share of imports corresponded to 2.4 - 9.7 %.*

*Due to the armed aggression of the Russian Federation against Ukraine that broke out on February 24, 2022, it is necessary to conduct a survey of all coke-chemical facilities in the country. The relevance and practical significance of such surveys also lies in the need to assess the damage suffered by Ukraine due to the armed aggression. Considering the destruction of PJSC "MK" AZOVSTAL "and PJSC "AKHZ" as a result of shelling, the issue of the ability of domestic enterprises to manufacture products becomes very relevant.*

Keywords: analysis, coke production, coal charge, coke quality.

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