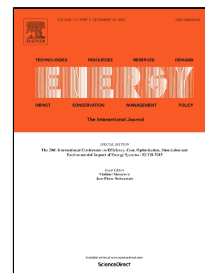


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Analysis of the combustion process of syngas fuels containing high hydrocarbons and nitrogen compounds in Zonal Volumetric Combustion technology

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The ZVC technology is tested for syngas fuels with benzene and pyridine.

The influence of the type of N_i species in the fuel on NO_x formation was observed.

High reduction factor of fuels NO_x was received.

The low NO_x , CO and C_xH_y emission was achieved even for high O_2 concentration.

High thermal NO_x was measured for high calorific syngas fuel.

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