UDC 629.5.03-08:621.431.36

Gorbov V.M., Mitenkova V.S. Integrated criterion of efficiency of using the alternative fuels for ship power plants (SPP) / V.M. Gorbov, V.S. Mitenkova // Internal combustion

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The general structure for determining the integrated criterion

of efficiency of using the alternative fuels for the ship

power plants at its conceptual design stage has been developed.

To solve the problem of comparison of SPP options while using

fuels of a different type the method of integrated assessment

was offered. The initial information required for calculations

has been substantiated and the methods of determining

the integrated criterion of efficiency for the biodiesel fuels,

their mixtures and liquefied natural gas have been developed.

An example of computing the integrated efficiency criterion for

small-size vessels run on biodiesel fuel and diesel fuel or their

mixtures has been given. Tаblе. 1. Il. 1. Bibliogr. 4 names.