



Method of estimating mechanical load of power machinery



INNOVATIVE NATURE

- use of standard available machine-speed signal analysis of uniformity of processes taking place in the machine;
- easy system implementation for the majority of internal combustion engines having small, medium, and great power;
- benefits for the majority of medium and fast-rotating internal combustion engines, especially those not having alternative diagnostic systems, such as those susceptible to possible combustion - pressure induction;
- fast and inexpensive evaluation of load distribution distribution within the machine being diagnosed.



BENEFITS FOR INDUSTRY

- fast detection of combustion disturbances in internal combustion engines;
- reduced operating costs;
- improved safety.



INTENDED USERS

The method is intended for use in the engineering industry, especially by such users as:

- internal combustion engine manufacturers;
- shipowners;
- shipyards;
- repair companies.

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