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Zhuk A,N., Epihin A.I. Estimation of speed of components deterioration of gas turbines of turbochargers of marine diesels, workings on a heavy oil fuel //

Internal combustion engines. – 2008. – № 2. – P.97-101.

The usage of marine diesels on a heavy oil fuel results

in that in the products of combustion are formed the

solid particle. The research of the transfer processes,

wear-out and sediment of the solid particles is in conceptual

stage. In report influence of presence of abrasive

particles in escaping gas flow of diesel on wear-out of

the details of the air-gas channel parts of turbines of the turbochargers are considered. The dependence of the full

losses in guide vanes on magnitude of their wear is presented

The calculations of the determination of the losses

in circular grating of guide vanes and influence of erosions

of the nozzle block on peripheral efficiency of

blade wheel of gas turbine are given. Tabl. 1. Il. 4. Bibliogr.

5 names