

## VIBRATION DIAGNOSIS NOT CENTERED SHAFTS CONNECTED BY GEAR GEARING

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The theoretical analysis of a spectrum of the vibration generated by not centered shafts, connected by gear gearing. For the first time it is shown under what conditions generation of the third harmonic of frequency of rotation of rotors is possible. Results of the analysis are confirmed by an experimental material.

*Not centered shaft, the vibration spectrum, the first, second, third harmonics*

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