

ENGINE VIBRATIONS CONSIDERING FOR LIGHT TURBOCHARGER TKR-8,5C ROTOR JOURNAL BEARING DIAGNOSTIC

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Influence of dynamic loading of an internal combustion engine on turbocharger TKR8.5C is considered at diagnosing by a method of the analysis of vibration of its case. At dynamics calculation bearing parts with the floating rotating barrel taking into account ruggedness of the case for turbocharger and power influence from a bent shaft and engine buckets are defined frequency ranges of display of defects of a bearing mount assembly in theoretical signals vibroacceleration; the theoretical frequency analysis is carried out.

Analysis of vibration, frequency analysis, dynamic loading, turbocharger, defects of a journal bearing

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