FINAL DRAFT
International Standard

ISO/FDIS 13332

Reciprocating internal combustion engines — Test code for the measurement of structure-borne noise emitted from high-speed and medium-speed reciprocating internal combustion engines measured at the engine feet

Moteurs alternatifs à combustion interne — Code d'essai pour le mesurage du bruit solidien émis par les moteurs alternatifs à combustion interne à vitesse élevée et à vitesse moyenne, mesuré aux pieds du moteur

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Foreword

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This document was prepared by Technical Committee ISO/TC 70, *Internal combustion engines*.

This second edition cancels and replaces the first edition (ISO 13332:2000), which has been technically revised.

The main changes are as follows:

— revised Clause 3;

— "Symbols" in Clause 4 of the previous edition has been deleted and the requirements for "measuring environment" has been added (see Clause 4);

— "Technical Background" in Clause 5 of the previous edition has been deleted and provisions for "measuring instruments" has been added (see Clause 5);

— content related to the installation and operating conditions of the measured object has been moved to Clause 6 of this document (see Clause 6);

— content related to "acceleration measurement" has been moved to Clause 7 of the this document, requirements of measurement uncertainty have been supplemented; measurements of angular velocity and angular acceleration have be added (see Clause 7);

— "calculation" has been added (see Clause 8);

— added provisions on "record content" (see Clause 9);

— requirements related to "reporting" has been added (see Clause 10);

— requirements related to "connections between engine and test environment" has been added (see Annex A);

— content on “sensor contact plane height correction” has been added (see Annex B);

— relevant content of "Frequency range" in the previous edition Clause 7 has been moved to Annex C;

— "Engine-Structure-borne Noise Characterization - Test Report Form" has been moved to Annex D.

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