

# ISO 14839-2:2004, Mechanical vibration - Vibration of rotating machinery equipped with active magnetic bearings - Part 2: Evaluation of vibration



ISO 14839-2:2004 sets out general guidelines for measuring and evaluating rotating machinery equipped with active magnetic bearings (AMBs) with respect to the following two indices: shaft vibratory displacement measured at or close to the AMBs; and working current and voltage measured in magnetic coils or power supply amplifiers. Both indices are measured under nominal operating conditions in house and/or on site. These guidelines are presented in terms of both steady-state running values of these indices and any magnitude changes which may occur in these steady-state operations. ISO 14839-2:2004 is applicable to industrial rotating machines generating or consuming nominal power greater than 15 kW, and is not limited by size or operational rated speed (i.e. comprising turbo-compressors, turbo-pumps, steam turbines, turbo-generators, turbo-fans, electric drives and other rotors supported by AMBs). It establishes the vibration, current and voltage evaluation of the rotating machinery equipped with AMBs, specified by a comparatively large power capacity as described above, excluding small-scale rotors such as turbo-molecular pumps, spindles and flywheels. ISO 14839-2:2004 covers both AMB-equipped rigid rotors and AMB-equipped flexible rotors.

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Mechanical vibration -- Vibration of rotating machinery equipped with active magnetic bearings -- Part 2: Evaluation of vibration **ISO/TC 108/SC 2 - Measurement and evaluation of mechanical ACOUSTICAL STANDARD NEWS: The Journal of the Acoustical** Sep 1, 2004 ISO 14839-2:2004(E) . Mechanical vibration Vibration of rotating machinery with active magnetic bearings . Part 2: Evaluation of vibration. 1 Scope Figure 1 Rotor system equipped with active magnetic bearings. **ISO 14839-2:2004 - Mechanical vibration -- Vibration of rotating** Mechanical vibration -- Evaluation of machine vibration by measurements on rotating shafts . Mechanical vibration -- Vibration of rotating machinery equipped with active ISO 14839-2:2004. Mechanical vibration -- Vibration of rotating machinery equipped with active magnetic bearings -- Part 2: Evaluation of vibration. **Sidentifier - ISO** ISO 14839-2:2004. Mechanical vibration -- Vibration of rotating machinery equipped with active magnetic bearings -- Part 2: Evaluation of vibration. Mechanical **SS-ISO 14839-2:2004 Mechanical vibration - Vibration of rotating** Sep 1, 2004 ISO 14839-2:2004(E). ISO 2004. Mechanical vibration Vibration of rotating machinery equipped with active magnetic bearings . Part 2: Evaluation of vibration. Vibrations mecaniques Vibrations de machines rotatives equippees de electronic or mechanical, including photocopying and microfilm, **INTERNATIONAL STANDARD ISO 14839-2** Sep 1, 2004 Mechanical vibration. Vibration of rotating machinery equipped with active magnetic bearings. Evaluation of vibration. View Account? Home BS ISO 14839-2:2004. 1184297 ISO 7919-2 Intellectual Property & Science is now known as Clarivate Analytics, and is no longer part of Thomson Reuters **BS ISO 14839-2:2004 - Mechanical vibration. Vibration of rotating** 2:30 p.m. Accredited Standards Committee, S3, Bioacoustics Members of ISO/TC 108/SC 4, Human exposure to mechanical vibration and shock and its . for the Measurement and Evaluation of Vibration of Ship Propulsion Machinery . Vibration of rotating machinery equipped with active magnetic bearingsPart 2: **BS ISO 14839-2:2004 - Techstreet** Keywords: Active magnetic bearing, ISO, Vibration evaluation, Evaluation of stability margin, Rotating machine Part 2 was developed for AMB turbo machinery as well as vibration standards For rotating machinery equipped with active magnetic bearings, means to support a rotor, without mechanical contact, using only. **ISO 14839-2:2004, Mechanical vibration - Vibration of rotating** ISO 14839-2 was prepared by Technical Committee ISO/TC 108, Mechanical vibration and shock, Subcommittee SC 2, Measurement and evaluation of mechanical Vibration of rotating machinery equipped with active magnetic bearings : This part of ISO 14839 concerns steady-state values of rotor vibrations and the **Preview - Nen** ISO 14839-3:2006 Preview. Mechanical vibration -- Vibration of rotating machinery equipped with active magnetic bearings -- Part 3: Evaluation of stability **Standards New Zealand :: Mechanical vibration. Vibration of rotating** ISO 14839-2:2004. Mechanical vibrationvibration of rotating machinery equipped with active magnetic bearingspart 2: evaluation of vibration. , Google **ISO Standardization for Active Magnetic Bearing Technology - NEDO** Mechanical vibration -- Vibration of rotating machinery equipped with active magnetic bearings -- Part 2: Evaluation of vibration ??????? ?????????? -- ?????? ?????????? Adopted Standard. ISO 14839-2:2004. Status. ACTIVE. Date of publication. **rotordynamic design audits of amb supported machinery** Jan 1, 2004 BS ISO 14839-2:2004. Mechanical vibration. Vibration of rotating machinery equipped with active magnetic bearings. Evaluation of vibration. **5070150720 - Leia standard - Eesti Standardikeskus** Mechanical vibration - Vibration of rotating machinery equipped with active magnetic bearings - Part 2: Evaluation of vibration. (ISO .. 98.05. \_\_\_ ex. NEN-ISO 14839-2:2004 en Mechanische trillingen - Trillingen van. **international standard iso 14839-2 - SAI Global InfoStore** ISO 14839-2:2004 Mechanical vibration - Vibration of rotating machinery equipped with active magnetic bearings - Part 2: Evaluation of vibration ISO 14839 2 **View Preview in English (PDF)** evaluation of machinery, development of oil-free ISO magnetic bearings standards working group since 1997. ASME, the Vibration Institute, and the API 684 rotordynamics Figure 2. Block Diagram of Dynamic Components Within an. AMB-Rotor System. . As with conventional mechanical bearings, most rotordynamic. **ISO 14839-3:2006 - Mechanical vibration -- Vibration of rotating** Mechanical vibration - Vibration of rotating machinery equipped with active magnetic bearings - Part 2: Evaluation of vibration (ISO 14839-2:2004, IDT) (Swedish **ISO 14839-2:2004 p32 ShopCSA - CSA Group** ISO 14839-2:2004. Mechanical vibration -- Vibration of rotating machinery equipped with active magnetic bearings -- Part 2: Evaluation of vibration. **ISO 14839-2:2004 Mechanical vibration - Vibration of rotating** 11-13 September 2012, Imeche London, UK Institution of Mechanical Engineers. [4] [5] [6] [7] Magnetic Bearings, Theory, Design, and Application to Rotating Machinery. ISO 14839-2, 2004. Mechanical Vibration Vibration of rotating machinery equipped with active magnetic bearings Part 2: Evaluation of vibration. **Reference Publications** ISO 14839-2:2004. Mechanical vibration -- Vibration of rotating machinery equipped with active magnetic bearings -- Part 2: Evaluation of vibration. **Measurement and evaluation of mechanical vibration and** - Oct 13, 2004 Purchase your copy of BS ISO 14839-2:2004 as a PDF download or hard copy directly from the official BSI Shop. Vibration of rotating machinery

equipped with active magnetic bearings. Evaluation of vibration Descriptors, Vibration, Rotating electric machines, Electric machines, Bearings, Magnetic **ISO 14839-2:2004 p32 ShopCSA - CSA Group** Oct 13, 2004 Mechanical vibration - Vibration of rotating machinery equipped with active magnetic bearings - Part 2: Evaluation of vibration. 2 Normative references. 3 Measurement and evaluation procedures ISO 14839 consists of the following parts, under the general title Mechanical vibration Vibration of rotating machinery equipped with active magnetic bearings : Part 1: