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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 23718.3-2010

**Condition monitoring and diagnostics of machines -- Requirements for
qualification and assessment of personnel -- Part 3: Requirements for
training bodies and the training process**

机器状态监测与诊断 人员资格与人员评估的要求 第3部分：对培训机构和培训过程的要求

(English Translation)

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Foreword

GB/T 23718 "machine condition monitoring and diagnostics of staff qualifications and staff assessment requirements" consists of the following components.

- Part 1. Process of certification bodies and certification requirements;
- Part 2. Vibration condition monitoring and diagnostics;
- Part 3. training institutions and the requirements of the training process;
- Part 4. on-site lubrication analysis;
- Part 5. Lubrication Laboratory Technician/Analyst;
- Part 6. Acoustic emission;
- Part 7. Thermography;
- Part 8. Ultrasound;
- Part 9. condition monitoring expert.

This part of GB/T 23718 Part 3.

This part identical with ISO 18436-3 "requires that the machine condition monitoring and diagnostic staff qualifications and staff assessment - Part 3.

Training institutions and the requirements of the training process "(in English).

This part of ISO 18436-3. Compared to 2008, the editorial changes as follows.

- With "this Part" instead of "this part of the international standard ISO 18436";
- Remove the foreword international standards; international standards with the introduction of the method of language expression;
- Of ISO 18436-3:2008 references other international standards, with equivalent international standards for our standard replaces the corresponding;

--- According to ISO 18436-3:2008/Amd.1. Services for 2009 pairs in Appendix A has been modified;

--- Name of certain parts of the amendments and additions.

This part of the Appendix A and Appendix B are normative appendix.

This part of the National mechanical vibration, shock and condition monitoring Standardization Technical Committee (SAC/TC53) and focal points.

This section is responsible for drafting unit. Zhengzhou Machinery Research Institute, Wuhan University of Technology.

Introduction

Machine condition monitoring and diagnostics is an integral part of an effective maintenance program. Non-interference in machine condition monitoring and fault diagnosis for Including vibration, infrared thermography, lubrication analysis, acoustic emission and electrical analysis. In many cases, these techniques can be used as a complementary sub-state Analysis tools. Implementation of measurement and data analysis skills and expertise professionals, the effective application of these technologies play a decisive role.

This section provides a non-intrusive in machine condition monitoring, diagnostics and repair techniques, training agencies. Including training institutions General requirements for personnel. Specific requirements for condition monitoring and diagnostic personnel included in other sections of this Standard.

Machine condition monitoring and diagnostics of personnel qualifications and Staff assessment requirements Part 3. training institutions and the requirements of the training process

1 Scope

This section GB/T 23718 requirements for machine condition monitoring, machine fault identification and recommends corrective action personnel training Agency requirements, determine the condition monitoring and diagnostic training program.

2 Normative references

The following documents contain provisions which, through reference GB/T 23718 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 19000 Quality management systems - Fundamentals and vocabulary (GB/T 19000-2008, ISO 9000:2005, IDT) GB/T 20921 machine condition monitoring and diagnostics vocabulary (GB/T 20921-2007, ISO 13372:2004, IDT) GB/T 23718 (all parts), machine condition monitoring and diagnostics requirements for qualification of personnel and personnel evaluation

3 Terms and Definitions

In GB/T 19000/ISO 9000, and identified the following terms and definitions apply to this section.

Management Committee administrativecommittee the Advisory Committee Steering Committee of training institutions.

Certificate certificateofcompletion Written training procedures in accordance with the rules issued by the completion of the training certificate.

Invigilator Supervised written examinations staff, but not the ability to evaluate the examination staff.

Technical Training Committee Commission technical work guidance and training program by training agencies.

Trainer

With relevant skills and qualifications acceptable to delegate the examination staff training so that qualified people.

Training institutions trainingbody Ability to manage the machine condition monitoring and diagnosis of technical personnel training institutions.