Condition monitoring and diagnostics of machines — Requirements for qualification and assessment of personnel —

Part 3: Requirements for training bodies and the training process

Surveillance et diagnostic d’état des machines — Exigences relatives à la qualification et à l’évaluation du personnel —

Partie 3: Exigences relatives aux organismes de formation et au processus de formation
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ISO 18436 consists of the following parts, under the general title Condition monitoring and diagnostics of machines — Requirements for qualification and assessment of personnel:

— Part 1: Requirements for assessment bodies and the assessment process
— Part 2: Vibration condition monitoring and diagnostics
— Part 3: Requirements for training bodies and the training process
— Part 4: Field lubricant analysis
— Part 5: Lubricant laboratory technician/analyst
— Part 6: Acoustic emission
— Part 7: Thermography

The following part is under preparation:
— Part 8: Ultrasound

The following part is planned:
— Part 9: Condition monitoring specialists
Introduction

Condition monitoring and diagnostics of machines are integral parts of an effective maintenance programme. Non-intrusive technologies used in condition monitoring and fault diagnosis include vibration, infrared thermography, oil and wear debris analysis, acoustic and ultrasonic analysis, and electrical signature analysis. In many instances these technologies act as complementary condition monitoring tools. The skills and expertise of the practitioners performing the measurements and analysing the data are critical to the effective application of these technologies.

This part of ISO 18436 defines the requirements for bodies operating training programmes in the non-intrusive machine condition monitoring, diagnostic, and correction technologies. General requirements for training body personnel are contained in this part of ISO 18436. Specific requirements for personnel in condition monitoring and diagnostics are covered in other parts of ISO 18436.