

# ISO 13380:2002-04 (E)

## Condition monitoring and diagnostics of machines - General guidelines on using performance parameters

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normative references .....</b>	<b>1</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>1</b>
<b>4</b>	<b>Monitored parameters .....</b>	<b>3</b>
4.1	Type of parameters .....	3
4.2	Type of measurement .....	3
4.3	Accuracy of monitored parameters .....	3
4.4	Other causes of change to measured values .....	3
<b>5</b>	<b>Measurement procedure .....</b>	<b>4</b>
5.1	Feasibility of measurement .....	4
5.2	Operating conditions during measurements .....	4
5.3	Measurement interval .....	4
5.4	Data acquisition rate .....	4
5.5	Record of monitored parameters .....	4
<b>6</b>	<b>Fault diagnosis .....</b>	<b>5</b>
6.1	Procedure for fault diagnosis .....	5
6.2	Criteria for fault diagnosis .....	5
<b>Annex A (informative)</b>	<b>Examples of parameters related to performance for a range of machine types .....</b>	<b>6</b>
<b>Annex B (informative)</b>	<b>Typical information to be recorded when monitoring .....</b>	<b>7</b>
<b>Annex C (informative)</b>	<b>Examples of faults indicated by performance parameter change .....</b>	<b>9</b>
<b>Annex D (informative)</b>	<b>Form for recording typical machine details .....</b>	<b>17</b>
<b>Bibliography .....</b>		<b>18</b>