

ISO 10816-2:2009-10 (E)

Mechanical vibration - Evaluation of machine vibration by measurements on non-rotating parts - Part 2: Land-based steam turbines and generators in excess of 50 MW with normal operating speeds of 1500 r/min, 1800 r/min, 3000 r/min and 3600 r/min

Contents		Page
Foreword		iv
Introduction		v
1 Scope		1
2 Normative references		1
3 Measurement procedures		2
4 Evaluation criteria		3
4.1 General		3
4.2 Criterion I: Vibration magnitude		4
4.3 Criterion II: Change in vibration magnitude under steady-state conditions at normal operating speed		8
4.4 Supplementary procedures/criteria		9
4.5 Evaluation based on vibration vector information		9
Annex A (normative) Evaluation zone boundaries		10
Annex B (informative) Example of setting ALARM and TRIP values		11
Annex C (informative) Cautionary notes about the use of vibration velocity criteria at low rotational speeds		12
Bibliography		14