

DIN ISO 10816-2:2010-09 (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 (ISO 10816-2:2 009)

Contents		Page
National foreword		3
National Annex NA (informative) Bibliography		4
Introduction		5
1	Scope	6
2	Normative references	6
3	Measurement procedures	7
4	Evaluation criteria	8
4.1	General	8
4.2	Criterion I: Vibration magnitude	9
4.3	Criterion II: Change in vibration magnitude under steady-state conditions at normal operating speed	13
4.4	Supplementary procedures/criteria	14
4.5	Evaluation based on vibration vector information	14
Annex A (normative) Evaluation zone boundaries		15
Annex B (informative) Example of setting ALARM and TRIP values		16
Annex C (informative) Cautionary notes about the use of vibration velocity criteria at low rotational speeds		17
Bibliography		19