

ISO 17643:2015-09 (E)

Non-destructive testing of welds - Eddy current testing of welds by complex-plane analysis

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Personnel qualification	1
5	Written procedures	2
6	General applications	2
6.1	Essential variables	2
6.2	Additional information	2
6.3	Surface conditions	2
6.4	Equipment	3
6.4.1	Instrumentation (excluding probe)	3
6.4.2	Surface probes	3
6.4.3	Accessories	3
6.4.4	Systematic equipment maintenance	5
6.5	Test procedure	5
6.5.1	Evaluation mode	5
6.5.2	Procedure for measuring coating thickness and material comparison relative to calibration block	5
6.5.3	Procedure for testing welds in ferritic materials	6
6.6	Detectability of discontinuities	11
6.7	Procedure for testing welds in other materials	12
7	Test report	12
Annex A (informative)	Recommended eddy current method flow diagram	14