

# DIN EN 12952-4:2011-10 (E)

## Water-tube boilers and auxiliary installations - Part 4: In-service boiler life expectancy calculations

---

<b>Contents</b>		<b>Page</b>
Foreword .....		3
1	Scope .....	5
2	Normative references .....	5
3	Terms and definitions .....	5
4	Symbols and abbreviations .....	5
5	General .....	5
6	Calculations .....	5
Annex A (informative) Calculation of in-service creep damage .....		6
Annex B (informative) Calculation of in-service fatigue damage .....		10
Annex C (informative) Significant technical changes between this European Standard and the previous edition .....		20
Bibliography .....		21