



API 510 Exam Publications Effectivity Sheet – FOR: May and September, 2015 and January 2016

Listed below are the effective editions of the publications required for this exam for the date(s) shown above.

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- **API Standard 510**, *Pressure Vessel Inspection Code: Maintenance Inspection, Rating, Repair, and Alteration*, **10th Edition, May 2014.**
- **API Recommended Practice 571**, *Damage Mechanisms Affecting Fixed Equipment in the Refining Industry*, 2nd EDITION, April 2011

ATTENTION: Only the following sections / mechanisms from RP 571 are included on the exam:

Section 3, Definitions

| | | |
|------|----------|---|
| Par. | 4.2.3 | Temper Embrittlement |
| | 4.2.7 | Brittle Fracture |
| | 4.2.9 | Thermal Fatigue |
| | 4.2.14 | Erosion/Erosion-Corrosion |
| | 4.2.16 | Mechanical Fatigue |
| | 4.3.2 | Atmospheric Corrosion |
| | 4.3.3 | Corrosion Under Insulation (CUI) |
| | 4.3.4 | Cooling Water Corrosion |
| | 4.3.5 | Boiler Water Condensate Corrosion |
| | 4.3.10 | Caustic Corrosion |
| | 4.4.2 | Sulfidation |
| | 4.5.1 | Chloride Stress Corrosion Cracking (Cl ⁻ SCC) |
| | 4.5.2 | Corrosion Fatigue |
| | 4.5.3 | Caustic Stress Corrosion Cracking (Caustic Embrittlement) |
| | 5.1.1.4 | Hydrochloric Acid (HCl) Corrosion |
| | 5.1.1.10 | Sour Water Corrosion (Acidic) |
| | 5.1.2.2 | Amine Stress Corrosion Cracking |
| | 5.1.2.3 | Wet H ₂ S Damage (Blistering/HIC/SOHIC/SCC) |
| | 5.1.3.1 | High Temperature Hydrogen Attack (HTHA) |

- **API Recommended Practice 572**, *Inspection of Pressure Vessels*, 3rd Edition, November 2009.
- **API Recommended Practice 576**, *Inspection of Pressure-Relieving Devices*, 3rd Edition, November 2009.
- **API Recommended Practice 577**, *Welding Inspection and Metallurgy*, **2nd Edition, December 2013.**
- **American Society of Mechanical Engineers (ASME)**, *Boiler and Pressure Vessel Code*, **2013 Edition**
 - i. **Section V**, *Nondestructive Examination, Articles 1, 2, 6, 7 and 23 (Section SE-797 only)*
 - ii. **Section VIII**, *Rules for Construction of Pressure Vessels, Division 1; Introduction (U), UG, UW, UCS, Appendices 1-4, 6, 8 and 12*
 - iii. **Section IX**, *Welding and Brazing Qualifications*, (Welding only)

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