



API 510 Exam Publications Effectivity Sheet – FOR: **September 2026, January 2027, and May 2027**

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

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- **API 510, Pressure Vessel Inspection Code: In-service Inspection, Rating, Repair, and Alteration, 11th Edition, October 2022, Errata 1 (March 2023), Errata 2 (2025)**
- **API Recommended Practice 571, Damage Mechanisms Affecting Fixed Equipment in the Refining Industry, 3rd edition, March 2020**

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

Section 2: Terms and Definitions

Par. 3.3: Amine Stress Corrosion Cracking.

3.8: Atmospheric Corrosion

3.9: Boiler Water and Steam Condensate Corrosion

3.11: Brittle Fracture

3.14: Caustic Corrosion

3.15: Caustic Stress Corrosion Cracking

3.17: Chloride Stress Corrosion Cracking

3.22: Corrosion Under Insulation

3.27: Erosion/Erosion-Corrosion

3.35: High-temperature H₂/H₂S Corrosion

3.36: High-temperature Hydrogen Attack

3.37: Hydrochloric Acid Corrosion

3.46: Naphthenic Acid Corrosion

3.61: Sulfidation

3.67: Wet H₂S Damage (Blistering/HIC/SOHIC/SSC)

- **API Recommended Practice 572, Inspection Practices for Pressure Vessels, 5th Edition, November 2023**
- **API Recommended Practice 576, Inspection of Pressure-relieving Devices, 5th Edition, September 2024**
- **API Recommended Practice 577, Welding Processes, Inspection, and Metallurgy, 3rd Edition, October 2020, Errata 1 (September 2025)**
- **API Recommended Practice 578, Material Verification Program for New and Existing Assets, 4th edition, February 2023**
- **American Society of Mechanical Engineers (ASME), Boiler and Pressure Vessel Code, 2025 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, Qualification Standard for Welding, Brazing, and Fusing Procedures; Welders; Brazers; and Welding, Brazing, and Fusing Operators, (Welding only)**

■ **American Society of Mechanical Engineers (ASME) PCC-2, *Repair of Pressure Equipment and Piping*, 2022**

ATTENTION: The examination will cover each referenced Article and its Appendices

Article 101: Scope, Organization, and Intent

Article 201: Butt-Welded Insert Plates in Pressure Components

Article 202: External Weld Buildup to Repair Internal Thinning

Article 209: Alternatives to Postweld Heat Treatment

Article 210: In-Service Welding Onto Carbon Steel Pressure Components or Pipelines

Article 211: Weld Buildup, Weld Overlay, and Clad Restoration

Article 212: Fillet Welded Patches

Article 215: Repair Welding Considerations for Cr-Mo Steel Pressure Vessels

Article 216: Welded Hot Taps in Pressure Equipment or Pipelines

Article 304: Flaw Excavation and Weld Repair

Article 305: Flange Repair and Conversion

Article 312: Inspection and Repair of Shell and Tube Heat Exchangers

Article 501: Pressure and Tightness of Piping and Equipment

Article 502: Nondestructive Examination in Lieu of Pressure Testing for Repairs and Alternations

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