



## API 510 Exam Publications Effectivity Sheet –

**FOR: September 2024, January 2025, and May 2025**

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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, 11<sup>th</sup> Edition, October 2022, Errata 1 (March 2023)**
- **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
3.11	Brittle Fracture
3.14	Caustic Corrosion
3.15	Caustic Stress Corrosion Cracking
3.17	Chloride Stress Corrosion Cracking
3.20	Cooling Water Corrosion
3.22	Corrosion Under Insulation (CUI)
3.27	Erosion/Erosion-Corrosion
3.36	High-temperature Hydrogen Attack
3.37	Hydrochloric Acid Corrosion
3.43	Mechanical Fatigue (including Vibration-induced Fatigue)
3.58	Sour Water Corrosion (Acidic)
3.61	Sulfidation
3.67	Wet H <sub>2</sub> S Damage (Blistering/HIC/SOHIC/SCC)

- **API Recommended Practice 572, Inspection Practices for Pressure Vessels, 5th Edition, November 2023.**
- **API Recommended Practice 576, Inspection of Pressure-relieving Devices, 4th Edition, April 2017.**
- **API Recommended Practice 577, Welding Processes, Inspection, and Metallurgy, 3rd Edition, October 2020.**
- **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, 2023 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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