



API 510 Exam Publications Effectivity Sheet –

FOR: September 2022, January 2023, and May 2023

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, 10th Edition, May 2014 with Addendum 1, May 2017 and Addendum 2, March 2018.**

- **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
 - 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 H₂S Damage (Blistering/HIC/SOHIC/SCC)

- **API Recommended Practice 572, Inspection Practices for Pressure Vessels, 4th Edition, December 2016.**
- **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, Guidelines for a Material Verification Program (MVP) for New and Existing Assets, 3rd edition, February 2018**
- **American Society of Mechanical Engineers (ASME), Boiler and Pressure Vessel Code, 2021 Edition**
 - Section V, Nondestructive Examination, Articles 1, 2, 6, 7 and 23 (Section SE-797 only)**
 - Section VIII, Rules for Construction of Pressure Vessels, Division 1; Introduction (U), UG, UW, UCS, Appendices 1-4, 6, 8 and 12**
 - Section IX, Qualification Standard for Welding, Brazing, and Fusing Procedures; Welders; Brazers; and Welding, Brazing, and Fusing Operators, (Welding only)**

Newly Added Document and Sections beginning in September 2022

■ **American Society of Mechanical Engineers (ASME) PCC-2, Repair of Pressure Equipment and Piping, 2018**

ATTENTION: Only the following sections from PCC-2 are included on the exam:

- 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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