



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.

Please be advised that API and ASME documents and publications are copyrighted materials. Reproducing these documents without API permission is illegal.

- **API 510, Pressure Vessel Inspection Code: Maintenance 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 of Pressure Vessels, 4th Edition, December 2016.**
- **API Recommended Practice 576, Inspection of Pressure-Relieving Devices, 4th Edition, April 2017.**
- **API Recommended Practice 577, Welding 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**
 - 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 Fusion Procedures; Welders; Brazers; and Welding, Brazing and Fusing Operators, (Welding only)**



Newly Added Document and Sections beginning with September 2022 exam

- **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

Please ensure you obtain authorized documents from one of API's redistributors:

Techstreet: www.techstreet.com; Phone: 1-800-699-9277

IHS Documents: www.global.ihs.com; Phone: 1-800-854-7179