

API API-510 Dumps PDF To Gain Brilliant Result (2026)

API 510, PRESSURE VESSEL INSPECTOR CERTIFICATION EXAMINATION

BODY OF KNOWLEDGE

API 510 Exam Publications Effectivity Sheet - FOR: May 2021, September 2021, January 2022, and May 2022

Listed below are the effective editions of the publications expected for this exam for the dates shown above.

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- API 510, *Pressure Vessel Inspection Code: Maintenance Inspection, Repair, Repair, and Alteration*, 10th Edition, May 2014 with Addendum 1, May 2017 and Addendum 2, March 2018.
- API Recommended Practice 874, *Damage Mechanisms Affecting Fired Equipment in the Refining Industry*, 2nd edition, March 2020

ATTENTION: Only the following sections / mechanisms from RP 511 are included on the exam:

- Section 2, Terms and Definitions
- Part 1.8, Atmospheric 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
- 3.28, High-temperature Hydrogen Attack
- 3.27, Hydrolytic Acid Corrosion
- 3.43, Mechanical Fatigue (including Vibration-induced Fatigue)
- 3.28, Sour Water Corrosion (Acidic)
- 3.61, Sulphidation
- 3.67, Wet-Hit Damages (Including HIC/SOHC/SCC)
- API Recommended Practice 872, *Inspection of Pressure Vessels*, 4th Edition, December 2016.
- API Recommended Practice 876, *Inspection of Pressure-Relieving Devices*, 4th Edition, April 2017.
- API Recommended Practice 877, *Welding Inspection and Metallurgy*, 2nd Edition, December 2013.
- API Recommended Practice 878, *Guidelines for a Material Certification Program (MCP) for New and Existing Assets*, 3rd edition, February 2018.
- American Society of Mechanical Engineers (ASME), *Boiler and Pressure Vessel Code*, 2019 Edition

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API Pressure Vessel Inspector Sample Questions (Q94-Q99):

NEW QUESTION # 94

Before non-destructive procedures are used in lieu of hydrostatic testing, what must be done?

- A. An engineer experienced in pressure vessel design and the API inspector must be consulted
- B. The API inspector and NBIC inspector must be consulted
- C. An experienced engineer must be consulted
- D. The API inspector must be consulted

Answer: A

NEW QUESTION # 95

Which of the following is not considered a valid reason for immediate re-inspection under API-510?

- A. Exceeding the calculated remaining life
- B. Change in the color of the vessel
- C. Change of service condition
- D. Discovery of cracking

Answer: B

NEW QUESTION # 96

Describe the steps involved in a typical API-510 compliance audit of a facility's pressure vessels.

Answer:

Explanation:

A typical API-510 compliance audit involves reviewing the facility's documentation for each pressure vessel, including design specifications, previous inspection reports, and maintenance records.

Inspectors also conduct on-site evaluations of the vessels, using tools like ultrasonic testing and radiography to assess their condition. The audit concludes with a report that outlines any non-compliance issues and recommendations for corrective actions.

NEW QUESTION # 97

The API authorized pressure vessel inspector may give prior authorization for repairs that do not involve:

- A. Final visual inspections
- B. Radiography
- C. Pressure tests
- D. Pneumatic testing

Answer: C

NEW QUESTION # 98

Which factor is not considered when determining the inspection intervals for pressure vessels according to API-510?

- A. Previous paint color
- B. Vessel age
- C. Service history
- D. Vessel location

Answer: A

NEW QUESTION # 99

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