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## 100% Pass Trustable API-510 - Pressure Vessel Inspector Certification Dump

Our API-510 study material is the most popular examination question bank for candidates. API-510 study material has helped thousands of candidates successfully pass the exam and has been praised by all users since it was appearance. API-510 study material has the most authoritative test counseling platform, and each topic in API-510 Study Materials is carefully written by experts who are engaged in researching in the field of professional qualification exams all the year round.

### API Pressure Vessel Inspector Sample Questions (Q147-Q152):

#### NEW QUESTION # 147

A restoration work by weld-overlay was carried out on corroded wall of vessel and it can now be used as per the design conditions of the vessel. This activity will be termed as:

- A. Repair of vessel
- B. Alteration to vessel
- C. Re-rating of vessel
- D. Renewal of vessel

**Answer: A**

Explanation:

Weld overlay does not contribute towards vessel thickness when calculating design pressure and temperature, hence, no change in Integrity Operating window or design input or output

### NEW QUESTION # 148

Explain how API-510 facilitates the upgrade of older pressure vessels to meet modern safety and efficiency standards.

**Answer:**

Explanation:

API-510 facilitates the upgrade of older pressure vessels to meet modern safety and efficiency standards by providing guidelines for assessing their current condition and determining the feasibility of various upgrade options. This includes evaluating the compatibility of new materials and technologies with the existing vessel structure and determining the necessary modifications to enhance performance and safety. API-510 also outlines the required inspections and tests to certify that upgraded vessels comply with current standards, ensuring that they can continue to operate safely and efficiently.

### NEW QUESTION # 149

When a crack is discovered in a vessel that is in a highly stressed area, what action should you recommend to be considered as a first step in any effort to correct the flaw?

- A. Design an overlay patch to completely cover the affected area that has rounded corners
- **B. Call in a pressure vessel engineer**
- C. Removing the crack using by grinding and inspect using an NDE procedure before repair by welding
- D. Using an insert patch, to completely remove the affected area

**Answer: B**

### NEW QUESTION # 150

Explain the API-510 provisions regarding the frequency and extent of inspections required after a pressure vessel has been altered or repaired.

**Answer:**

Explanation:

API-510 requires that pressure vessels undergo rigorous inspections following any repairs or alterations to ensure the integrity of the vessel is maintained. The standard stipulates that these vessels should be inspected immediately after the work is completed and before they are returned to service.

The type of inspection can vary but typically includes non-destructive testing (NDT) to verify the quality of the repair or alteration and to confirm that no additional damage was introduced during the process.

### NEW QUESTION # 151

Which of the following types of discontinuities is NOT normally detected by radiography?

- **A. Cracks**
- B. Incomplete penetration
- C. Laminations
- D. Slag

**Answer: A**

Explanation:

The intensity of image of an object on a radiograph directly depends on the amount of X- ray passed through the object. If there is a defect inside the object with fairly significant volume such as porosity or slag inclusion, then, because the volume occupied by the discontinuity is less dense than the material itself, the amount of X- rays passes through is more and as a result you can see those areas darker on the radiograph. For lamination, the volume of defect is very- low and hence, you might not notice much of intensity change on the radiograph.

### NEW QUESTION # 152

