



API-571^{Q&As}

Corrosion and Materials Professional

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QUESTION 1

Low creep ductility is _____ severe in high tensile strength materials and welds.

- A. More
- B. Less
- C. Usually
- D. Not

Correct Answer: A

QUESTION 2

Dissimilar weld metal cracking occurs because the coefficients of thermal expansion between ferritic steels and 300 Series stainless steels differ by _____ or more.

- A. 10%
- B. 15%
- C. 20%
- D. 30%

Correct Answer: D

QUESTION 3

_____ is a selective corrosion mechanism in which one or more constituents of an alloy are preferentially attacked leaving a lower density often porous structure.

- A. Phenol corrosion
- B. Dealloying
- C. Carburization
- D. Preferentially weld attack

Correct Answer: B

QUESTION 4

Which of the following does not increase the likelihood of atmospheric corrosion?

- A. Bird poop



- B. Increasing annual rainfalls
- C. Locations where moisture is trapped
- D. Increasing operating pressures
- E. Increasing amounts of airborne contaminants

Correct Answer: D

QUESTION 5

Carbonate stress corrosion cracking is the term applied to surface breaking or cracks that occur adjacent to carbon steel welds under the combined action of _____ and _____ in carbonate containing systems.

- A. Temperature, stress
- B. Tensile stress, corrosion
- C. Corrosion, velocity
- D. Tensile stress, velocity

Correct Answer: B

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