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練習題



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Exam : API-570

Title : Piping Inspector

Version : DEMO

1.Determine the MAWP of the following piping system, at the next inspection, based on the following Design pressure/temperature Pipe description

Outside diameter of pipe, D

Thickness determined from Inspection Observed Corrosion Rate Next planned inspection 100

psig/100°F NPS 2, Sch.80, A 106 B

2.375"

0.190"

0.03 inches/year 5 Years

MAWP:

A. 674 psig

B. 323 psig

C. 125 psig

D. Metal loss exceeds the requirements for 5 year inspection interval

Answer: A

2.What is the pressure design thickness of NPS 10, A516 Gr.65 Type 22 pipe that operate at 1200 psig/750°F

A. 0.432"

B. 0.46"

C. 0.928"

D. Not enough information given

Answer: B

3.A leak test is an alternative to inspection of buried piping.

What is the minimum liquid pressure to adequately conduct this test?

A. 1 1/2 times the MAWP

B. 1 1/4 times the MAWP

C. 10% greater than MAWP

D. Actual MAWP

Answer: C

4.For a single wall material thickness, over 0.375" through 0.50", what is the hole type designation for a source side penetrameter

A. 15

B. 17

C. 20

D. 25

Answer: B

5.Give the corresponding "P" number for SA 414 Gr.A material

A. 1

B. 2

C. 3

D. 11B

Answer: A