1 / 12 · IV. Practical knowledge - general

Who makes the code decisions on inspection, repairs and return to service under API 570?

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2 / 12 · IV. Practical knowledge - general

Who is responsible for the piping inspection program?

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3 / 12 · IV. Practical knowledge - general

Who does or reviews the design work for a rerating or an alteration?

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4 / 12 · IV. Practical knowledge - general

An examiner finds an indication. Does the examiner decide whether it is acceptable to the code?

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5 / 12 · IV. Practical knowledge - general

What is a piping circuit?

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What is a CML?

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2 / 12 · IV. Practical knowledge - general

The owner/user, who runs it through an inspection organization.

API 570: owner/user inspection organization

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1 / 12 · IV. Practical knowledge - general

The authorized piping inspector. The decision is not handed to the person who did the work, a foreman or maintenance management.

API 570: inspection organization and responsibilities

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4 / 12 · IV. Practical knowledge - general

No. The examiner performs the NDE and reports the result. The inspector decides acceptability.

API 570: responsibilities (examiner and inspector)

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The piping engineer.

API 570: responsibilities (piping engineer)

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A condition monitoring location: a marked spot on a circuit where wall thickness is read again and again, so a trend can be built.

API 570: definitions (condition monitoring location)

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5 / 12 · IV. Practical knowledge - general

A group of piping with similar design, material and process conditions, expected to degrade in a similar way, so it can be inspected and assessed as one unit.

API 570: definitions (circuit); API RP 574: inspection planning by circuit

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Why is a CML physically marked?

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What does an external visual inspection look at?

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9 / 12 · IV. Practical knowledge - general

A corroded spool is replaced with the same pipe to the same design. Repair, alteration or rerating?

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10 / 12 · IV. Practical knowledge - general

A line is rebuilt in a larger pipe size. Repair, alteration or rerating?

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11 / 12 · IV. Practical knowledge - general

Is one closed valve positive isolation on a hazardous line?

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12 / 12 · IV. Practical knowledge - general

What is the hazard of pyrophoric iron sulfide, and how is it controlled?

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8 / 12 · IV. Practical knowledge - general

Leaks, insulation and jacketing, supports, alignment and vibration, from outside the line.

API 570: types of inspection (external visual); API RP 574

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7 / 12 · IV. Practical knowledge - general

So the same spot is read every time. Readings from different spots cannot be trended, and a single reading is not a corrosion rate.

API 570: thickness measurement locations

longseam.com · free API 570 check

10 / 12 · IV. Practical knowledge - general

Alteration. It changes the design.

API 570: definitions (repair, alteration, rerating)

longseam.com · free API 570 check

9 / 12 · IV. Practical knowledge - general

Repair. It restores the existing design.

API 570: definitions (repair, alteration, rerating)

longseam.com · free API 570 check

12 / 12 · IV. Practical knowledge - general

It forms in sour service and can ignite when it dries in air. Keep it wet and plan for it before opening the line.

API RP 574: safety precautions; API 570: safety

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11 / 12 · IV. Practical knowledge - general

No. Use a blind, or a double block with a bleed, then depressure, drain and verify before opening.

API 570: safety precautions; API RP 574: preparation for inspection

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