

Risk-based Inspection (RBI) and advanced NDT methodologies

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Introduction to the topic:

Successfully implemented RBI programs improve plant reliability and safety and reduce unplanned maintenance and repair costs.

How to get from RBI to an effective and efficient inspection and NDT program for your plant.

Aspects to be discussed:

- ▶ In-service inspection codes and Risk-based Inspection (RBI)
- ▶ Degradation mechanism, failure modes, fitness for service and advanced NDT
- ▶ Example: Phased Array and TOFD
- ▶ Discussion

Schädigung - Damage Mechanism: Lokaler Materialabtrag - Local Thinning
Steadad: AP50, tabo-5.0
Komponente - Component: Gehäuse, Flansche, Kolben, Ventilschwabe und Leit
Ergebnis - Result: Ausgehend von: Schädlingsmechanismus und der Risikobewertung des Schadens und der Inspektionsergebnisse

Inspektionskategorie - Inspection Category	Methoden in Einsatz - Methods in use	Sicht / Kamera - Sicht / Scope				Ultraschall / Schallkopf - Ultrasound / Head		Mikroskop / Mikroskopie - Microscope / Microscopy	
		Manuell - Manual	Automatisch - Automatic	Hand - Hand	Roboter - Robot	Hand - Hand	Automatisch - Automatic	Hand - Hand	Automatisch - Automatic
1	Ultraschall								
2	Ultraschall								
3	Ultraschall								
4	Ultraschall								
5	Ultraschall								

Komponenten-Bezeichnung: Schweißnaht
Abmessungen: Länge: 200 mm, Durchmesser: 20 mm
Material: St 37.01
Inspektion: Ultraschall (TOFD)
Ergebnis: Schweißnaht ist in Ordnung.
Maße: Länge: 200 mm, Durchmesser: 20 mm
Skizze: (Handgezeichnete Skizze der Schweißnaht mit Dimensionen)

Register

EPSC Webinar: Friday June 12th 2020, 2-3 p.m.

Join us: Register by sending an email to office@EPSC.be
 (You will receive a link to join the webinar)

EPSC webinars facilitated by knowledgeable solution providers offers to learn on a specific process safety topic.
 Registration at www.EPSC.be