

POINT CORROSION OR CORROSION UNDER PIPE SUPPORTS

CPC/CUPS is one of the leading causes of failure in piping within the Oil, Gas and Chemical Process Industries.

if left undetected, it can lead to a loss of containment and result in significant safety, environmental and operational implications.

Pipes supported by being rested or mechanically fastened to a support can trap moisture at the interface and eventually corrode in a location which is visually undetectable and previously challenging to inspect.

SOLUTION

Long Range/Guided Wave Ultrasonics is a rapid screening technique capable of inspecting large areas of piping to detect the presence of wall loss/corrosion, including at pipe support or difficult to access locations. Long Range Ultrasound is suitable for pipe diameters of 0.75" (19.05 mm) and above and pipe wall thicknesses from 3 mm to 40 mm (1/8 to 1.57"). When a positive indication is returned, ARI technicians can verify the presence and severity of the defect via UT thickness, visual inspection or PA-CAT.

The newly developed PA-CAT method is designed to inspect and assess the remaining wall thickness of contact point corrosion or difficult to inspect areas. Suitable for 3" diameter pipes with wall thicknesses from 6mm to 16mm, PA-CAT provides quantifiable results of areas previously unable to be inspected.

DELIVERY

ARI has invested in the equipment and competency to deliver the solutions listed for screening and assessing CPS/CUPS Australia wide. ARI is proud to be the exclusive Australian provider of the PA-CAT solution.



FURTHER INFORMATION

For further information of how ARI can assist your organisation with rapid screening or inspection of difficult to inspect areas, please contact:

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