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Ultrasonic Thickness Report Format

Sample Waterwall Report Furnace Waterwall Ultrasonic Thickness Inspection Nov 2010 Outage "A" Side Front Wall Elev. 675 667 660 654 648 641 635 628 622 615 608 601 596 593 590 No Data 0.119 - 0.100 0.099 - 0.001 0.999 - 0.150 0.149 - 0.120 1 10 Thickness Coding 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170

ULTRASONIC THICKNESS EXAMINATION REPORT

This report was prepared as an account of work sponsored by an agency of the ... performs ultrasonic (UT) examinations of selected portions of double-shell tanks (DSTs). The purpose of ... Evaluation of the wall thickness measurement results for six tanks inspected in 2007 and previously

Evaluation of UT Wall Thickness Measurements and ...

A standard frequency used by an ultrasonic thickness gauge is 5 MHz. Some ultrasonic coating thickness gauges require that a couplant in gel, paste or liquid format be used to eliminate gaps between the transducer and the test piece. One common couplant is propylene glycol, but there are many other options which can be substituted.

Ultrasonic thickness measurement - Wikipedia

7.2.4 The ultrasonic thickness examination of each test specimen shall be performed in each grading unit. 7.2.5 Scan each grading unit to determine the area(s) of corrosion. 7.2.6 Determine the minimum remaining wall thickness measurement for each grading unit. 7.2.7 The minimum remaining wall thickness for each Grading Unit shall be recorded

API Defined Procedure for Ultrasonic Thickness Measurement ...

Ultrasonic Thickness Measurment Guide. Antiqua Marine & engg. U.A.E. Fig.7.1.2 The only reading noted in the report would be (14.8+15.1+15.0+15.2+14.9+15.5+15.3)/7=15.1. The number of measurement points in the figure were just an example.

Ultrasonic Thickness Measurement Guide

Ultrasonic Inspection Report An NDT Inspection Test Report, useful for documenting Observations of Ultrasonic Inspections Format No: TNE-UTR-01 Rev '0' TRINITY NDT An ISO 9001:2008 Certified Company Plot No.V-22(A), 6th Main, 2nd Stage, Peenya Industrial Estate, Bangalore-560058, INDIA Telefax:+91-80-28366466, Mobile:+91 98441 29439, 99009 ...

Ultrasonic Inspection Ndt Sample Test Report Format ...

given engineering material. Once the ultrasonic velocity of the material is known, the thickness may be determined by using the following relationship[2]: $d = ct$ (1) where d is the material thickness, c is the velocity of sound in the material, and t is the transit time between the initial pulse and the backwall echo (or between successive

Ultrasonic Measurement of Pipe Thickness

ndt, panametrics-ndt, non destructive test equipment, ultrasonic transducers, ultrasonic sensors, non destructive testing, nondestructive testing, ultrasonic testing ...

An Introduction to Ultrasonic Thickness Gauging

Measures material thickness; Could be used with access to only one surface; Determines acceptance or rejection of a test object based on a reference code or standard; All field inspection data, engineering analysis and evaluation of work performed is translated into the proper report format and delivered in a timely manner.

Visual Inspection & Ultrasonic Testing Services from CST

The subject of this Report is the ultrasonic online inspection of the 20" Gasoline - Loading line ... thickness which may be caused by multiple reflections, only pulses within a specified time interval are interpreted by the electronics system. During technical preparation

Inspection Report - ISS

(3) Search units with contoured contact wedges may be used to aid ultrasonic coupling. 6.3-Screen Height Linearity. The ultrasonic testing instrument shall provide linear vertical presentation within $\pm 5\%$ (According to ASME Sec.V, Article 5 T-532) of the full screen height for 20% to 80% of the calibrated screen height.

Ultrasonic Testing Procedure - Inspection for Industry

Techniques > Research > Ultrasonic Hull Thickness Measurements. Research - Ultrasonic Hull Thickness Measurements. Version date: 16 October 2016. Introduction. An ultrasonic thickness (UT) gauge can be used to measure thickness of metal and many other solid materials so this instrument can be used to measure the thickness of metal remaining in iron and ship hull structure and plating.

Ultrasonic Hull Thickness Research - Site Recorder

Ultrasonic pulser- receivers provide a unique, low-cost ultrasonic measurement Ultrasonic pulser-receivers are well suited to general purpose ultrasonic testing. Along with appropriate transducers and an oscilloscope, they can be used for flaw detection and thickness gauging in a wide variety of metals, plastics, ceramics, and composites.

ULTRASONIC TESTING REPORT - SlideShare

certified to Ultrasonic Level II, Level II UT-Thickness Measurement or Ultrasonic Level III in accordance with their employer's written practice. 5.0 EQUIPMENT 5.1 Ultrasonic Instruments 5.1.1 Any manual pulse echo ultrasonic instrument may be used provided that it satisfies the requirements of this procedure. Ultrasonic instruments should

API Defined Procedure for Ultrasonic Thickness Measurement ...

Thickness gauging can only be performed by known velocity a) Yes b) Methods exist that can measure with unknown velocity 9 Manual thickness scanning requires a) A-scan display b) High-Low peak monitor or latch 10 An ultrasonic gauging measures pipe thickness and simultaneously the inner and outer diameter.

Questions & Answers - Thickness Gauging Level 2

Ultrasonic Thickness Evaluation: Ultrasonic Thickness (UT) measurements were taken on this circuit. The results of this survey indicate that all areas of U.T. evaluations were above the required thickness minimums for piping specification class 'B' (Refer to ultrasonic inspection data report for results of survey).

Piping sample report - SlideShare

The TKG150 is a Digital Ultrasonic Thickness Gauge/Data logger. Compact rugged meter for non-destructive thickness measurements. Extech offers Thickness Gauges designed in compact, handheld, rugged housing ideal for field use. The ultrasonic technology allows for non-destructive thickness measurements for primarily steel structures.

TKG150: Digital Ultrasonic Thickness Gauge/Datalogger

Type of Report: Final Report Number: K123-11 Howmoss Avenue - Unit 1 Kikhill Industrial Estate Dyce AB21 0GP Aberdeen, UK Phone: +44 (0) 1224 724 744 Fax: +44 (0) 1224 774 087 W W W . I N N O S P E C T I O N . C O M I N F O @ I N N O S P E C T I O N . C O M INSPECTION REPORT

INSPECTION REPORT - innospection.com

To Get Detailed Analysis, Download Sample Report. What is Ultrasonic Testing? Ultrasonic testing or UT can be defined as a category of non-destructive testing techniques, Ultrasonic testing uses special equipment to send high-frequency sound waves to penetrate a material's thickness.