



CWB Association Update



CWB Association | Association CWB

Issue 4 – March 5th (2023 2024 Season)

Hamilton and Region Chapter

Please plan to attend our next Seminar or plant tour.

Note! day changed to Tuesday March 5th (Not Wednesday!)

This month our dinner and seminar will be at the Burlington Holiday Inn.

Located at 3063 South Service Road, Burlington. Attitude adjustment: 5:30 p.m. Dinner: 6:00 (Sharp) Seminar 7:00 pm Dinner entrance fees for this meeting are Student \$20 non-student \$35.00.

Topic

Our speakers will be Adam Wojcicki & Brian Vickers

Specialized NDE Inc. – Introduction to NDT Presentation

Having learned his craft from the ground up, founder Eric Kivlin established Specialized NDE Inc. in 2011 to offer premier NDT services and solutions to clients across Canada. Holding CGSB & ASNT Level 3 Certifications in VT, MT, PT, UT & ET, as well as CWB Level 2 Welding Inspector and AWS CWI certifications, Mr. Kivlin has been in the Welding & NDT field for more than 30 years

Presenter Bio's

Specialized NDE Inc. presenters; Adam Wojcicki & Brian Vickers are both graduates of Mohawk College, Quality Engineering Technician – Non-Destructive Evaluation (NDE) Program. Having both graduated in 2021 from the program they started at Specialized NDE as trainees and now hold CGSB Level 2 certifications for MT & PT and also SNT-TC-1a Level 2 certifications in VT, MT, PT & UT. They both perform daily NDT inspections for a variety of industries such as Structural Steel Fabricators, Pipe shops, Rail and Shipping.

Presentation Overview - Introduction to NDT

The field of Non-destructive Testing (NDT) is a very broad, interdisciplinary field that plays a critical role in assuring that structural components and systems perform their function in a reliable and cost-effective fashion.

NDT technicians and engineers define and implement tests that locate and characterize material conditions and flaws that might otherwise cause planes to crash, reactors to fail, trains to derail, pipelines to burst, and a variety of less visible, but equally troubling events.

These tests are performed in a manner that does not affect the future usefulness of the object or material. In other words, NDT allows parts and materials to be inspected and measured without damaging them. Because it allows inspection without interfering with a product's final use, NDT provides an excellent balance between quality control and cost-effectiveness.



April 3rd, 2024

Topic: To be Announced

Contact any Hamilton Chapter Board Member

Note! You must register in advance.

Please register by contacting

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Other measurements and tools

The inspector may be required to measure the temperature of something, for example, the preheat temperature of a plate before welding commences. The most convenient method is the thermocrayon (Fig. 37), often called by the popular trade name, Tempilstik. Each crayon corresponds to a specific temperature. To use, stroke the heated plate with the crayon. If the plate has a temperature higher than that indicated on the crayon, the mark will smear as the crayon material melts. Make sure the crayon is not directly exposed to the preheating flame. To establish the temperature of the plate you need several crayons covering a range of temperatures to find the highest one that just melts. In many cases the exact temperature is not required and only two crayons corresponding to the minimum and maximum temperature are needed.

Figure 37. Using a thermocrayon for temperature measurements.

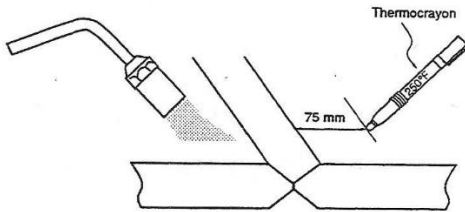
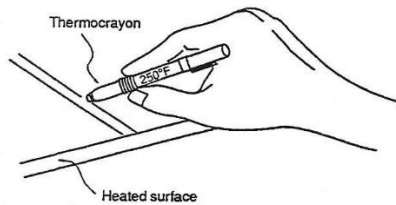


Figure 38. Check preheat temperature 75 mm away from the joint.

Where preheats are concerned you must take care to measure the temperature at the correct location. CSA W59-M1989 states that the surfaces of the parts on which weld metal is to be deposited must be at or above the specified minimum preheat temperature for a distance equal to the thickness of the part being welded but not less than 75 mm,

(for more information see page 20 CWB module 16 “Techniques of Visual Inspection”)

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