

HARDNESS AND DELTA-FERRITE PERCENTAGE

Report Type: Weld

Department: R&D

Analysis Type: One weldment is submitted to determine delta-ferrite variation across a weld compared to hardness of the material.

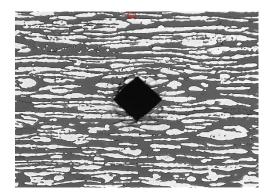


Figure 1: Original image after indentation.

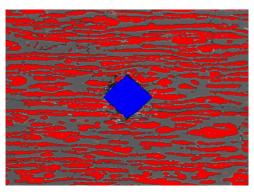


Figure 2: The indent is measured by blue bitplane. Delta-ferrite is detected and assigned into red bitplane.

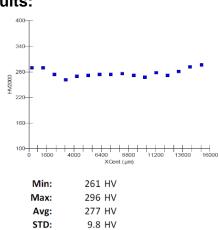


Figure 3: Vickers hardness measurements.

Comments:



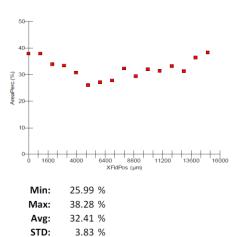


Figure 4: Delta-ferrite variation across the weld compared to the hardness.

Results: