

HARDNESS AND NODULARITY ASSESSMENT OF V-6 ENGINE CASTING

Report Type: V-6 Engine Casting QC

Department: R&D

Analysis Type: To determine nodularity and Vickers hardness of V-6 engine

casting.

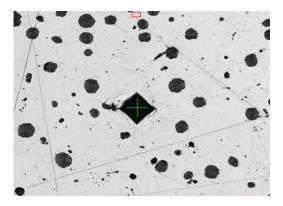


Figure 1: Original image after indentation.

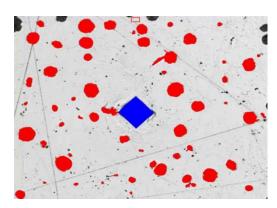


Figure 2: Graphite nodules and indent are detected and assigned in different bitplanes.

Results:

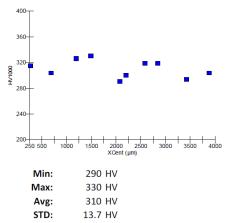


Figure 3: Vickers hardness measurements.

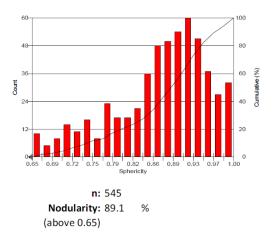


Figure 4: Nodularity distribution in the indentation areas.

Comments:

