

Old Laboratory Notebook – Heat Treatment Notes (1998 Revision)

Specimen: 1020 steel – low carbon

- Quench at 780°C
- Temper time recorded approx. 1 hr
- Strength results missing → later added in margin "420 MPa?"

Observation:

microstructure appeared ferrite–pearlite. Composition: C ~0.20%, Mn ~0.50%.

Specimen: 8620 alloy steel

Procedure similar to earlier trial.

Reported values: "C \approx 0.20, Mn \approx 0.80, quench \approx 900°C, temper 2 hr, strength approx 880 MPa"