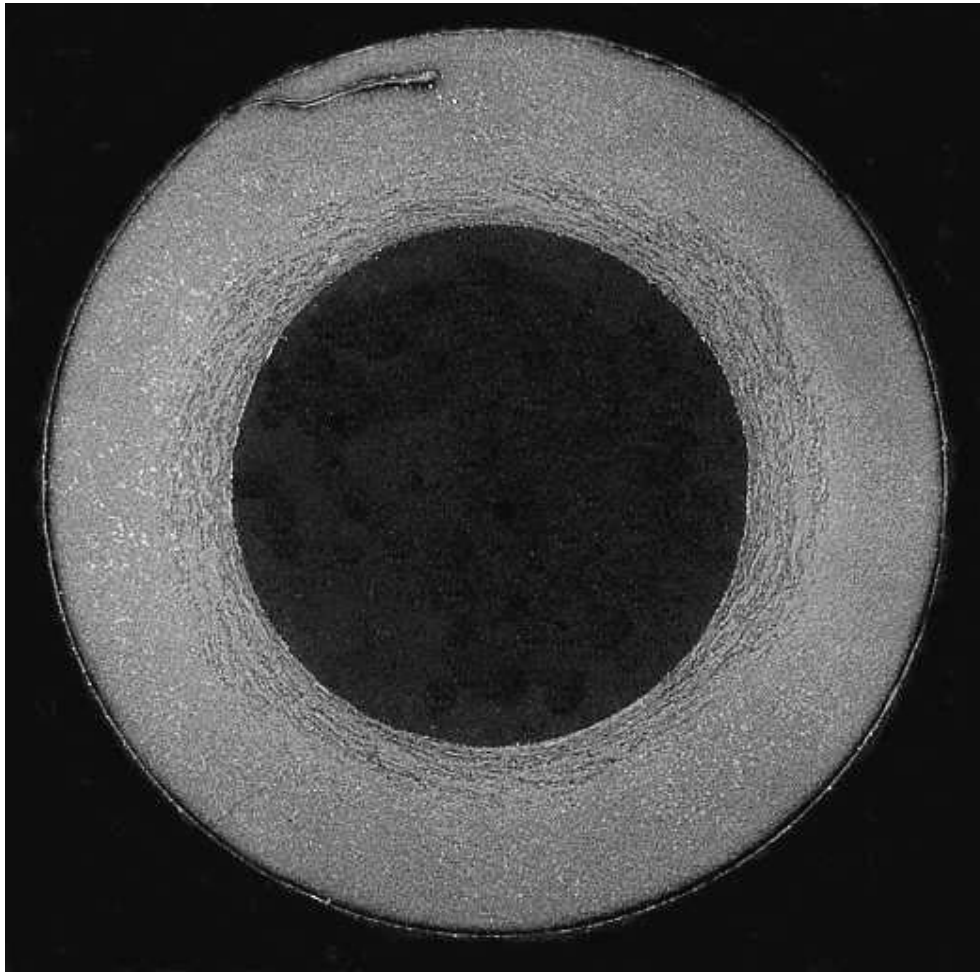


M&M Engineering's Boiler Tube Failure Handbook



Cracking—Not in or near a weld—Longitudinal



Locations	Waterwall
Boiler Type	Power
Industry	Electric Utility

Appearance	Forming lap at tube OD
Mechanism	Material defect
Comments	Manufacturing defect that was missed by tube mill inspection

