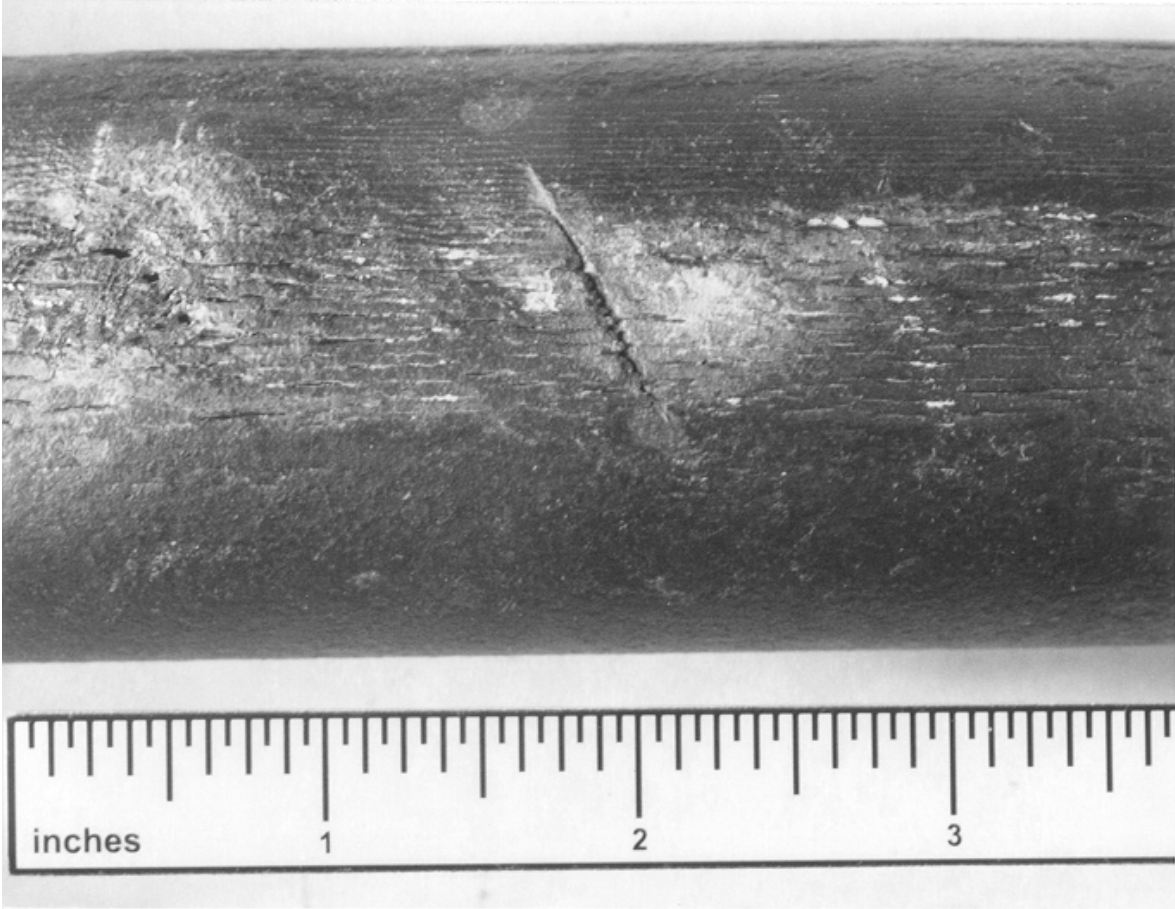


M&M Engineering's Boiler Tube Failure Handbook



Crack—In or near weld attachment—Transverse (random)



Locations	Superheater, Reheater
Boiler Type	Power
Industry	Electric Utility

Appearance	Brittle fracture in heat affected zone of a weld
Mechanism	Graphitization
Comments	Occurs when a line of graphite nodules form in the heat affected zone of the weld.

