

M&M Engineering's Boiler Tube Failure Handbook



Cracks—Near or in weld or attachment—Longitudinal



Locations	Waterwall
Boiler Type	Power
Industry	Pulp and Paper

Appearance	Cracks close to attachments
Mechanism	Corrosion Fatigue
Comments	External attachments provide a restraint and high operating stress. This, together with marginal water chemistry particularly during startup, leads to corrosion-fatigue cracks

