

CATEGORY: **ROLL SURFACE INDICATIONS**

TYPE: **FIRE CRACKS
(STRESS CRACKS)**

CHARACTERISTICS

Fire cracks range in appearance from small (1 mm, 0.040”), tight longitudinal cracks to various patterns (“crazing”, “dry river bed”) and densities depending on the mill operation and cause (hot mill/cold mill). Typically, fire cracks are also associated with areas of bruising (see Roll Surface Indications - Bruise).

EXAMPLES



EXAMPLE 1

Evidence of fire cracking on an aluminum hot mill work roll.