

Generating Station Weld Leak



A mid-west generating station developed a leak on a weld where a six inch oil line was attached to the transformer wall; the crack was running around the diameter of the weld. Colt technicians gathered measurements needed to design and fabricate a repair clamp. The clamp was made overnight and delivered to the plant the next day. The repair consisted of a split ring clamp (arrow) that was bolted around the pipe and had two seals, one that set against the wall of the transformer and the other that went around the six inch pipe. A second clamp was installed (strong back) to use jack bolts to push the first clamp up against the transformer wall; this jacking affect also had the side affect of wanting to push the six-inch pipe away from the transformer wall. To overcome this additional steel angle, iron was attached to the unit and jack bolts were used to push everything back into place (double strong back). The repair was completed with the unit energized.

All repairs are guaranteed for two years.