

Revision of

**Our Existing NBIC Locomotive Boiler
Section Rules for Ferrules: A09 S1.2.9.7.
Ferrules**

- A09 a) Ferrous or non-ferrous ferrules may be used on either or both ends of flues and arch tubes.
- A09 b) The applications of ferrules where none were used before shall be considered a repair.
- A09 c) The application without ferrules, where they were used before shall be considered a repair.

~~Our Existing~~ **NBIC Locomotive Boiler
Section Rules for Ferrules: A09 S1.2.9.7.
Ferrules**

- a) Ferrous or non-ferrous ferrules may be used on either or both ends of flues and arch tubes.
- b) If ferrules are recessed, the recess depth shall not exceed 1/16" measured from the flue sheet fireside edge.
- c) Protrusion of the ferrule beyond the edges of either flue sheet is permitted provided the ferrule does not interfere with any further attachment procedures.
- d) For steel ferrules, if the flue is installed by expanding it straight and seal welding it to the flue sheet, the seal weld shall be arranged to contact the flue sheet and the flue. Seal welding the flue to the ferrule only is prohibited.
- e) The applications of ferrules where none were used before shall be considered a repair.
- f) The application without ferrules, where they were used before shall be considered a repair.