

Machinist**Nature of Work**

Under general supervision, at the full-performance level, an employee in this class specializes in machine work on the various components of steam locomotives. Will be responsible for all general machine work related to the operation of the facility. Assists in other shop work, and may work on the train crew during the operating season. Performs related work as required.

Examples of Work

Maintains and operates machines which include lathes, horizontal and vertical milling machines, drill presses, sharpeners, threader machine and wheel lathes.
 Machine boiler pieces, stay bolts, studs, pipe fittings to tolerances of 0.001 or less.
 Bore flue sheets to exact specifications.
 Machine line shafts from various locomotives.
 Machine pinions and gears to fit line shafts with shrunk and pressed fits.
 Remachine universal joints and gears which are rebuilt by welds.
 Machine various components of steam locomotive power train which includes bushings, special pins, pistons, piston rods, guides, sleeves and rings.
 Machine gage cocks and valves that will withstand 200+ pounds of steam pressure with tolerance of .001 or less.
 Read and work from blueprints or drawings.
 Machine parts without blueprints or drawings.
 Machine or make various parts for other parks in the system as work load permits.

Knowledge, Skills, and Abilities

Knowledge of all machine tools normally found in machine shop and the operation and care of such equipment.
 Knowledge of steam locomotive parts, power train and tolerances.
 Ability to operate lathes, planer, shaper, threading machine and wheel lathe.
 Ability to work from blueprints and drawings.

Minimum Qualification

TRAINING Graduation from a standard high school or the equivalent.
 SUBSTITUTION Additional qualifying experience may be substituted for the required training on a year-for-year basis.
 EXPERIENCE Four years of full-time paid employment or equivalent part-time paid experience in a machine shop, garage, or work of a similar nature.

Established 9/16/93 Effective 10/16/93