

MAINTENANCE III – WELDER

DEFINITION

Under the direction of the Maintenance Supervisor, performs skilled work in the repair of worn or damaged fabricated, machined, cast, forged, or welded parts; performs skilled work using electric arc, and oxygen-acetylene welding equipment; assists other maintenance personnel by performing semiskilled or skilled duties in other maintenance trade areas; performs other related work as required and/or assigned.

ESSENTIAL DUTIES

- inspects, reviews, and examines materials to be welded
- follows specifications and chips or grinds out cracks or holes in materials to be welded
- positions, fits, and welds machinery frames, gates, fences, and a variety of other equipment and materials
- plans, lays out, assembles, and welds, applying knowledge of property of metals, effect of heat, and allowances for thickness and weld shrinkage
- may use a jib, vice or other equipment preparatory to welding and straightening bent pieces of material
- chips or grinds off excess weld, inspects and examines weld for bead size and penetration
- cleans and applies flux as necessary to assist in the brazing process
- maintains a variety of simple production records and files
- requisitions needed parts and material, and assists in maintaining an adequate inventory of supplies and material
- estimates project labor and material costs
- coordinates and directs the work of helpers
- drives a service vehicle to and from work sites

QUALIFICATIONS

Knowledge of: Materials, tools, and procedures used in performing skilled journeyman level maintenance welding tasks; basic metal properties, heat treatment and

