

SENIOR MAINTENANCE MECHANIC I (DIESEL)

DISTINGUISHING FEATURES OF THE CLASS: Under general supervision, an incumbent performs a variety of diesel engine maintenance and repair, including the inspection of diesels to determine the need for repair; the planning and lay out of work to be done; the estimating of material costs and staffing requirements. Work is performed with considerable independence, but in most instances, results from written or oral instructions. The incumbent may work independently, as part of a crew or as lead worker on specific projects and may supervise a number of lower level maintenance and labor employees. The journeyman is proficient in the skills and practice of a variety of trades, with full knowledge of the principles, tools and techniques. The journeyman has responsibility for determining methods, techniques, materials, and/or devices best suited to complete projects. Work at this grade is completed with little or no check during progress or on completion. Supervisor may check overall work to see that it meets trade standards. Does related work as required.

EXAMPLES OF WORK: (Illustrative Only)

Repairs and maintains diesel engines to ensure that equipment functions correctly and to prolong its useful life;

Analyzes operations of diesel engines and components, to determine performance requirements to ensure equipment is properly maintained;

Aligns and connects engines to test equipment, such as generators and motor control panel to ensure that equipment runs correctly;

Disassembles engines and examines parts for defects and excessive wear to determine what maintenance should be performed;

Reconditions and replaces parts such as pistons, bearings, gears, valves and bushings using engine lathes, boring machine, hand tools and precision measuring instruments;

May perform field service when required;

Lays out jobs making up rough plans and sketches when needed;

Maintains work area in a clean, orderly and safe condition;

Assembles requirements and cost information for use in budget formulation;

Requisitions items, supplies and equipment and maintains inventory records, recommends new equipment and methods to improve work performance;

Prepares cost estimates for proposed repairs;

Depending on work location, may operate amusement park devices, participate in snow removal, etc., as assigned;

Performs routine and emergency repairs and maintenance, both scheduled and in response to emergency situations, as required.

REQUIRED KNOWLEDGE, SKILLS, ABILITIES AND ATTRIBUTES: Thorough knowledge of the tools, techniques and terminology associated with the automotive, heavy equipment and diesel mechanic trade; thorough knowledge of the accident and safety precautions of the trade; ability to perform difficult repairs on all types of automotive equipment, including diesels; ability to give effective supervision to lower level personnel; ability to work effectively with supervisory and executive personnel in carrying out the duties of the position; resourcefulness and imagination in meeting new and unusual mechanical repair problems; initiative in seeking new and improved work methods; physical strength and agility; physical condition commensurate with the demands of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: Completion of a four year apprenticeship program under a journeyman. Apprenticeship training gained by the completion of technical courses in the field at a school, institute or branch of the Armed Services may be substituted for the above training and experience on a year for year basis.

SPECIAL REQUIREMENT: Possession of a valid New York State Driver's license appropriate for the equipment operated.

SPECIAL REQUIREMENT: Depending on work assignment, must meet standards of OSHA regulation 1910.134 Respiratory Protection, and will be required to meet Federal, State and local standards with respect to health and safety.