

## SENIOR MASTER MECHANIC

70-A

DISTINGUISHING FEATURES OF THE CLASS: This is skilled work involving responsibility for efficient and journeyman level performance of a variety of machinist and mechanical or repair tasks.

Incumbent leads in repairs of automotive, landfill, maintenance, and construction equipment. General supervision is received from the Automotive Shop Supervisor with some leeway permitted for planning the specific execution of assigned work. This position may occasionally involve responsibility for supervision of other staff. Does related work as required.

### TYPICAL WORK ACTIVITIES:

Operates lathe, drill press, planer, shaper, and other machine shop equipment;

Improvises and constructs special appliances, parts, and tools;

Aligns front and rear wheels (axles) on vehicles and trailers;

Rebuilds, overhauls, and times engines, transmissions, transfer cases, and differentials;

Grinds valves, restores valve seats, grinds valve guides, and fits new bearings, pistons, and rings;

Performs tune-ups on gas and/or diesel engines;

Tests and repairs hydraulic and air systems;

Adjusts drive line angles;

Welds electrically and/or with acetylene equipment;

Performs motor vehicle inspections and performs emission control diagnostic procedures;

Repairs ignition and electrical systems, using oscilloscope, hand held analyzers and scanners to perform computerized engine and vehicle analysis repairs and calibrations including fuel injection and cruise controls.

FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES, AND PERSONAL CHARACTERISTICS: Thorough knowledge of the company practices, tools, terminology, and accident precautions of the trade; demonstrated knowledge and understanding of electrical, air, mechanical, and hydraulic systems; ability to make difficult repairs; good motor, hand, and eye coordination; manual dexterity; ability to work effectively with others; ability to instruct others and to demonstrate garage skills; demonstrated skill in machine shop bench work (operation of lathes, planers, drill presses, and other equipment); and ability to work from plans, diagrams, specifications, and oral instructions.

MINIMUM QUALIFICATIONS: Either:

Four (4) years of experience as a machinist or automotive mechanic, and demonstrated machinist and mechanical skill and ability. Completion of acceptable post-high school course work in automotive maintenance and/or repair can be substituted for up to two (2) years of work experience.

SPECIAL REQUIREMENTS FOR APPOINTMENT: *Possession of a valid CDL-B New York State Motor Vehicle Operators license, with and airbrake endorsement, tank endorsement and hazmat endorsement and possession of a Motor Vehicles Inspector's Certificate (Class 1 and 2) issued by the New York State Department of Motor vehicles.*

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Last Reviewed: 10/23/00  
Jurisdictional Class: Non-Competitive  
Public Hearing : N/A  
NYS Civil Service Commission Approval: N/A