

## AMADOR COUNTY UNIFIED SCHOOL DISTRICT EQUIPMENT MECHANIC

### DEFINITION

Under general supervision, to perform skilled work in maintaining, diagnosing and making mechanical repairs to gasoline- and diesel-powered equipment, such as trucks, buses, automobiles, power lawn mowers, tractors, compressors and other mechanical equipment; and to perform related work as required.

### CLASS CHARACTERISTICS

Positions in this class perform journey-level work on both diesel- and gasoline-powered equipment. Critical to this class is the ability to diagnose and make major overhaul repairs to a variety of automotive equipment. Positions in this class perform work which has some variation and which allows or requires a journey-level application of methods or procedures. Incumbents receive little direct supervision on vehicle repairs and have latitude in selecting work methods. Work is not generally reviewed for final results. Buses must pass inspections by the State or as prescribed by law. Incumbents are expected to refer problems of repair cost to the Director of Transportation for instruction.

### EXAMPLES OF DUTIES

- Inspects buses, automobiles, trucks, tractors and other mechanical equipment used in the school district;
- Diagnoses problems;
- Makes mechanical repairs and installations, such as general overhauling, replacing and adjusting bearings, grinding valves, adjusting ignition and carburetors, repairing electrical parts of systems, assembling transmissions and differentials, fitting pistons and rings, relining and adjusting brakes, aligning wheels, installing axles and overhauling steering gears and drive shafts;
- Inspects and makes repairs to water cooling systems including brazing and soldering;
- Performs scheduled repairs and keeps preventive maintenance logs;
- Repairs and makes adjustments to steering geometry;
- Does electric and acetylene welding, fabricating new parts when necessary;
- Makes repairs to power lawn mowers and other mechanical equipment;
- Services equipment with gasoline and oil;
- Lubricates equipment; changes and repairs tires;
- Operates District vehicles;
- Changes and repairs tires;
- Performs related work as required.

### LICENSE REQUIRED

1. A valid California commercial vehicle license, with passenger endorsement.

### QUALIFICATIONS

#### Knowledge of:

Tools, equipment and procedures used in the service, overhaul, repair and adjustment of motor equipment, and of fuel, ignition, electrical, cooling and braking systems;

Principles of internal combustion engines;

Methods and procedures used in the repair, overhaul and adjustment of heavy-duty automatic transmissions;

Shop mathematics applicable to the mechanical trades;

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Appropriate safety precautions and procedures.

Ability to:

Perform skilled repair and overhaul work on heavy and light gasoline- and diesel-powered equipment  
Use standard mechanics' equipment skillfully in the performance of assigned work;  
Work from mechanical diagrams and technical automotive repair manuals;  
Read test instruments, meters and gauges;  
Perform shop mathematics;  
Maintain simple records;  
Operate a vehicle observing legal and defensive driving practices;  
Understand and carry out oral and written instructions;  
Establish and maintain effective working relationships with those contacted in the course of work.

TRAINING AND EXPERIENCE

Any combination of training, education and experience which demonstrates possession of the knowledge and abilities stated above and the ability to perform the duties of the position. A typical qualifying entrance background is journey-level experience performing diagnosis and repair of gasoline- and diesel-powered equipment;

and

Completion of coursework in diagnosis, automotive electronics, automotive repair or closely related fields;

or

Experience at or equivalent to the level of Automotive Service Worker in the Amador Unified School District, from which the incumbent has acquired the knowledge and abilities listed above.

PHYSICAL DEMANDS AND WORKING CONDITIONS

This position requires the prospective employee to pass a pre-employment physical.

Physical Requirements:

1. Employee lifts/carries 126 pounds occasionally (less than 33% of the time).
2. Employee lifts/carries 50 pounds frequently (34-66% of the time).
3. Employee lifts/carries 20 pounds constantly (67-100% of the time).
4. Employee's position requires pushing a maximum force of 123.4 pounds on objects.
5. Employee's position requires pulling a maximum force of 123.4 pounds on objects.

Mobility:

Positions in this class require the mobility to stand, stoop, reach and bend.

Vision:

Positions in this class require vision (which may be corrected) to read small print.

Other Conditions:

Incumbents may be required to work with harsh or toxic substances;  
Incumbents may be required to wear protective apparel including goggles, face protectors, aprons, shoes and oxygen breathing apparatus.

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SALARY LEVEL

Range 26 of the ACUSD Classified Salary Schedule.