

MECHANIC II

DEFINITION

Under general supervision performs skilled work in maintaining, diagnosing problems, and making mechanical repairs to gasoline and diesel equipment and other mechanical equipment; and performs related work as required.

LICENSE REQUIRED

Some positions may require possession of a valid and appropriate California driver's license.

CLASS CHARACTERISTICS

This is a skilled level class in diesel/gas engine repair. Incumbents are expected to perform unskilled, semi-skilled, and skilled repairs on District vehicles as directed or independently.

EXAMPLES OF DUTIES

Inspects buses, automobiles, trucks, tractors, and other mechanical equipment used in the school district; diagnoses problems. *E*

Performs 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, overhauling steering gears, and drive shafts. *E*

Makes repairs to vehicle bodies, fenders, and other metal surfaces. *E*

Performs electric and acetylene welding, fabricating new parts when necessary. *E*

Performs repairs to other mechanical equipment. *E*

Services equipment with gasoline and oil; lubricates equipment. *E*

Changes and repairs tires. *E*

Operates district vehicles. *E*

Performs related work as required.

MINIMUM QUALIFICATIONS

Knowledge of:

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

Knowledge of: (cont.)

2. Principles of internal combustion engines;
3. Shop math applicable to the mechanic trades; and
4. Appropriate safety precautions and procedures.

Ability to:

1. Perform skilled repair and overhaul work on heavy and light gasoline and diesel-powered equipment;
2. Use standard mechanic's equipment skillfully in the performance of assigned work;
3. Work from mechanical diagrams and technical automotive repair manuals;
4. Perform shop mathematics;
5. Maintain simple records;
6. Operate a vehicle observing legal and defensive driving practices;
7. Understand and carry out oral and written instructions;
8. Establish and maintain effective relationships with those contacted in the course of work; and
9. Perform complex or varied tasks.

EDUCATION

Individuals possessing the knowledge, skills, and abilities listed above are considered to possess the necessary education.

EXPERIENCE

Recent experience in the maintenance, repair, and overhaul of heavy and light gasoline and diesel-powered automotive equipment.

WORKING CONDITIONS

Environment:

Shop environment; subject to noise from equipment operation.

Physical Abilities:

Lifting and carrying objects weighing up to 50 pounds; hand and finger dexterity to operate mechanical tools; seeing to observe diagnostic tools; hearing to listen to engine operation; bending; and reaching above shoulder, overhead, and horizontally.

Hazards:

Exposure to fumes, vapors, dust, vehicle exhaust, noise; working around and with machinery having moving parts; working in cramped or restrictive work chambers.

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