

LEMON GROVE SCHOOL DISTRICT

CLASS TITLE: HEAVY DUTY MECHANIC

DEFINITION:

Under the direction of the Manager, Transportation & Warehousing, maintain the Transportation Fleet of the District and perform required services and mechanical repairs of buses, trucks, automobiles and other mechanical equipment.

JOB RELATIONSHIPS:

Supervised by the Manager, Transportation & Warehousing, has contact with other maintenance personnel and school bus drivers.

TYPICAL DUTIES:

Maintain the automotive equipment used in the District and perform required services and mechanical repairs on buses, trucks, automobiles and other mechanical equipment. (E)

Perform safety inspections on District vehicles, including buses; perform road tests and inspections to assure malfunctions have been corrected and equipment is functioning properly. (E)

Rebuild, replace or overhaul engines, transmissions, differentials, starters, generators, braking systems, clutches, carburetor systems, electrical systems and other mechanical assemblies. (E)

Perform engine tune-ups and ignition systems adjustments as necessary; inspect, adjust and reline brakes within specified guidelines. (E)

Diagnose and repair engine systems, such as distributors, coils, alternators, starters and related systems. (E)

Operate a variety of hand tools, diagnostic equipment, welding equipment and a variety of mechanical aids in the repair, adjustment and maintenance of motorized equipment. (E)

Respond to and provide emergency road service to disabled vehicles as required. (E)

Maintain records of service and repairs performed. (E)

Maintain shop area, equipment and tools in a safe, clean and orderly condition. (E)

Perform skilled maintenance and repair work on school buildings, grounds and equipment as required. (E)

Perform other related duties as assigned. ~~(E)~~

KNOWLEDGE OF:

Techniques and practices of maintenance and repair of heavy and light automotive vehicles and equipment.

Safe operation of related tools, equipment and procedures in the overhaul, repair and adjustment of systems.

Methods, equipment, tools and materials used in the repair and maintenance of vehicles and equipment.

Diagnose procedures for vehicles and equipment.

Technical aspects of field of specialty.

Shop math applicable to vehicle maintenance.

Health and safety regulations.

ABILITY TO:

Diagnose, repair and maintain a wide variety of large and small engines (gasoline and diesel) and related equipment.

Diagnose and repair mechanical, electrical and computerized malfunctions.

Operate specialized equipment used in repairing or servicing of vehicles.

Analyze situations accurately and adopt an effective course of action.

Maintain records related to safety, preventative maintenance and work performed.

Understand and follow oral and written instructions.

Work cooperatively with others.

Observe and perform repairs.

Hear sound of engines and use sense of smell to detect fumes.

Concentrate for long periods of time.

Comprehend technical concepts and complex applications.

Exercise persistence and patience in problem resolution.

Make concepts understandable to others.

EDUCATION AND EXPERIENCE:

Any combination equivalent to graduation from high school, 3 years of work experience in the repair and maintenance of alternative fuel powered equipment, gas and diesel-powered vehicles.

LICENSES AND OTHER REQUIREMENTS:

Valid California Driver's License

Valid California Class B Driver's License with Passenger endorsement

Air brake certification

Ability to meet and maintain qualifications for District vehicle insurance coverage

ENVIRONMENT:

Work is performed in an inside-outside shop environment with frequent exposure to weather, constant

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exposure to moderate to very loud noise; frequent exposure to dust, fumes (such as sulfuric acid, solvents and ether), impact wrench vibrations and moving mechanical parts, some exposure to high, exposed places such as on top of buses and other heavy duty equipment.

PHYSICAL DEMANDS:

Work requires lifting of 80-100 pounds; climbing and crawling; use of full range of well developed physical capabilities; pulling, pushing and carrying heavy objects; walking or standing for extended periods of time; bending at the waist; kneeling; reaching overhead above the shoulders and horizontally; dexterity of hands and fingers to operate a computer terminal, power tools and equipment working in cramped or restrictive areas; working around and with machinery having moving parts; must be able to stoop, crawl, lift and twist; must have full rotation of upper body; must be able to adequately reach brakes, clutch and accelerator pedals; must have sufficient vision to read written instructions and to observe and perform repairs, must be able to perform manual labor.