

# MODESTO CITY SCHOOLS

## JOB DESCRIPTION

### EQUIPMENT/HEAVY DUTY DIESEL TECHNICIAN

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#### **DEFINITION:**

Under the direction of the Supervisor-Transportation Shop, perform journey-level mechanical work in the inspection, diagnosis, repair and maintenance of a variety of large and small vehicles and equipment including gasoline, diesel and battery-powered equipment and grounds maintenance equipment.

#### **ESSENTIAL DUTIES AND RESPONSIBILITIES:**

- Perform journey-level mechanical work in the inspection, diagnosis, repair and maintenance of a variety of large and small vehicles and equipment including gasoline, diesel and battery-powered equipment.
- Evaluate maintenance, servicing and repair needs; read and interpret schematics and diagrams; inspect and diagnose mechanical malfunctions.
- Perform routine maintenance safety checks and inspections; prepare vehicles for State-mandated smog inspections; clean equipment and prepare equipment for sale.
- Overhaul, rebuild and tune engines and carburetors.
- Adjust and reline brakes; maintain, rebuild and replace air and hydraulic brake system components; change and balance tires.
- Change oil, transmission, brake and other fluids according to prescribed procedures; assure compliance with laws, rules and regulations regarding the disposal of hazardous waste.
- Overhaul, repair and adjust automatic and standard transmissions, drive shafts, differentials, universal joints, gears, valves, transfer cases and rear ends.
- Diagnose, repair and rebuild engine electrical and ignition systems, such as distributors, coils, alternators, starters, and related systems.
- Repair and maintain vehicle air conditioning units and related components; charge and recharge air conditioning systems.
- Maintain shop area, equipment and tools in a safe, clean and orderly condition.
- Operate a variety of specialized electronic diagnosis equipment and machinery including a computer.

#### **OTHER DUTIES:**

- Perform related duties as assigned.

#### **REQUIRED QUALIFICATIONS:**

##### Education and Experience:

- Any combination equivalent to: graduation from high school and four years journey-level automotive or diesel maintenance and repair.

##### Licenses and other Requirements

- Valid California Class B driver's license with passenger endorsement.
- Appropriate Air Brake Certificate.
- Valid medical examiner's certificate issued in accordance with the motor carrier safety regulations of the Department of Motor Vehicles.
- Valid Forklift Certification to be obtained within probationary period.

##### Knowledge of:

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

- Operation, theory and principles of gasoline and diesel required and battery-powered equipment.
- Methods, equipment, tools and materials used in the repair and maintenance of vehicles and equipment.
- Diagnostic procedures for vehicles and equipment.
- Technical aspects of field of specialty, including analog and digital electronic equipment installed in vehicles.
- Shop math applicable to vehicle maintenance.
- Health and safety regulations.
- Operation of a computer and assigned software.

Ability to:

- Diagnose, repair and maintain a wide variety of large and small gasoline and diesel engines and battery-powered engines.
- Diagnose and repair mechanical, electrical and computerized malfunctions.
- Operate specialized equipment used in repairing or servicing of vehicles.
- Read and apply technical and mechanical diagrams, schematics and repair manuals.
- Analyze situations accurately and adopt an effective course of action.
- Maintain records related to safety, preventive maintenance and work performed.
- Understand and follow oral and written directions.
- Work cooperatively with others.
- Observe legal and defensive driving practices.
- Observe health and safety regulations.

**WORKING CONDITIONS:**

Work Environment:

- Vehicle and equipment repair shop environment.
- Driving a vehicle to conduct work.
- Regular exposure to fumes, dust and odors.

Physical Demands: The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Pulling, pushing, lifting and carrying heavy objects.
- Bending at the waist, kneeling or crouching.
- Reaching overhead, above the shoulders and horizontally.
- Dexterity of hands and fingers to operate power tools and equipment.
- Seeing to observe and perform repairs.
- Hearing and speaking to exchange information.

Hazards:

- Exposure to chemical fumes and vapors such as gasoline and diesel fuel.
- Working in a cramped or restrictive work chamber.
- Working around or with machinery having moving parts.
- Hazardous materials.

The information contained in this job description is for compliance with the Americans with Disabilities Act (A.D.A.) and is not an exhaustive list of the duties performed.

**Cabinet Approved: 6/4/96**

**Unit Approved: 6/5/96**

**Board Approved: 7/1/96**

**FLSA Status: Non Exempt**

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