

## **LA MESA-SPRING VALLEY SCHOOLS**

### **CLASS TITLE: HEAVY EQUIPMENT TECHNICIAN**

#### **BASIC FUNCTION:**

Under the direction of the Director, Transportation, maintains District engine equipment and vehicles in safe operating condition; recommends needed repairs and replacements of assigned equipment; performs required repairs and preventive maintenance and provides written documentation of repairs to meet District, State and federal requirements; collaborates with other personnel to perform assigned duties as needed.

#### **REPRESENTATIVE DUTIES:**

##### **ESSENTIAL DUTIES:**

Checks driver's daily write-ups to determine vehicle repair needs.

Communicates with various personnel, outside agencies and vendors to exchange information, coordinate activities and resolve issues or concerns.

Develops a school bus safety and preventative maintenance program in line with requirements of California laws.

Fabricates, welds, and repairs parts; utilize gas, electric, arc and wire feed welding.

Maintains a schedule of ongoing bus maintenance and repair

Maintains tools and equipment in safe and operating condition; inspects and repairs tools as needed; maintains a safe and clean work environment.

Operates a variety of maintenance tools and equipment including power and hand tools, air tools, specialized auto part tools, lifts and hoists, drills, grinders, compressors, mowers, gauges, meters, impact tools and a variety of grounds equipment; drives a vehicle to conduct work.

Performs mandated 45 day bus and 90 day vehicle inspections and mandated scheduled services; inspects and performs preventative maintenance on District vehicles and grounds equipment including gas powered engines, drive trains, electrical systems, mowers and trailers according to established procedures; identifies defects and assures that equipment is in a safe operating condition.

Performs road tests on all vehicles and assures that vehicles are in safe operating order.

Performs various duties in maintaining District engine equipment and vehicles in safe operating condition; recommends needed repairs and replacements of assigned equipment; diagnoses engine malfunctions for gas and diesel-fueled, and electric machinery and determines needed engine repairs and replacements; performs duties for major vehicle repairs including repairs to brake systems, transmissions and engine systems.

Prepares and maintains records and documentation related to assigned duties and according to established procedures.

Repairs and replaces defective vehicle parts, components and systems including heating, brake systems, lights, electrical, tires and pumps and assures the availability of vehicles in a safe operating condition.

Requisitions and researches parts and supplies and maintains inventory as assigned; contacts vendors as needed.

Responds to emergency situations related to assigned duties and assists with resolving immediate safety concerns; responds to road calls regarding disabled vehicles and performs emergency repair work in the field as needed, some nights and weekends included.

Stores waste oil and other hazardous waste for the purpose of disposing of waste properly and providing documentation of disposal/s.

Works as a team to oversee the shop operation, including providing work guidance to new staff, to ensure the efficient and effective use of staff resources and the quality of work.

Works independently with little direction.

#### **OTHER DUTIES:**

Attends and participates in meeting, in-service trainings, workshops and conferences.

Performs related duties as assigned.

#### **KNOWLEDGE AND ABILITIES:**

##### **KNOWLEDGE OF:**

Basic record-keeping techniques.

External combustion engines.

Health and safety regulations.  
Methods, materials, tools and equipment used in the repair of engine equipment and vehicles.  
Operation, maintenance and repair of small and large gasoline and diesel-powered grounds maintenance equipment and vehicles.  
Proper lifting techniques.  
Proper methods and techniques related to maintenance and repair of hydraulic systems.  
Proper methods of storing equipment, materials and supplies.  
Welding techniques.

**ABILITY TO:**

Fabricate, weld and repair parts.  
Maintain routine records.  
Maintain, diagnose, repair and adjust a variety of light and heavy power-driven maintenance equipment.  
Observe health and safety regulations.  
Operate hand and power tools and other equipment used in the repair of grounds maintenance equipment and vehicles.  
Understand and follow oral and written instructions.  
Work cooperatively with others.

**EDUCATION AND EXPERIENCE:**

Any combination equivalent to: graduation from high school or equivalent GED and five years of journey-level experience in the maintenance and repair of heavy-duty equipment (school bus, trailers, etc.), including experience involving both gas and diesel engines. Formal training in automotive and bus repair preferred.

**LICENSES AND OTHER REQUIREMENTS:**

Successful passage of the District's job-related proficiency test.  
Valid California Class C driver's license.  
California Class B with P endorsement within a designated probationary period.

**WORKING CONDITIONS:**

**ENVIRONMENT:**

Driving a vehicle to conduct work.  
Outdoor and repair shop environment.  
Subject to noise from equipment operation.

**PHYSICAL DEMANDS:**

Bending at the waist, kneeling or crouching to perform repair and maintenance tasks.  
Climbing ladders.  
Dexterity of hands and fingers to operate tools and equipment.  
Hearing and speaking to exchange information.  
Lifting, carrying, pushing or pulling heavy objects as assigned by the position.  
Reaching overhead, above the shoulders and horizontally.  
Seeing to perform repairs.  
Standing for extended periods of time.

**HAZARDS:**

Exposure to chemical fumes and vapors such as gasoline and diesel fuel.  
Traffic Hazards.  
Working around and with machinery having moving parts.  
Working at heights.  
Working in a cramped or restrictive work chamber.

**FLSA Status**

Non Exempt

**Approval Date**

03/01/08, (Heavy Equip. Mech.), 9/28/17, 2/18/20