

CULVER CITY UNIFIED SCHOOL DISTRICT

MECHANIC/WELDER - Range 28

DEFINITION

Under direction, to perform a variety of skilled level repairs and maintenance of buses, passenger vehicles, trucks and a variety of other gasoline and diesel powered motorized equipment; perform skilled electric and acetylene welding and fabricating, and joining pipe and other metal objects; and to do other related work as required.

EXAMPLES OF DUTIES

Inspects and diagnoses mechanical defects on a variety of gasoline and diesel powered buses, trucks, automobiles, tractors, sweepers and other motorized equipment; reviews mechanical repair orders, observes, listens and diagnoses mechanical defects and malfunctions; rebuilds, replaces or overhauls engines, transmissions, differentials, starters, generators, breaking systems, clutches, carburetion systems, electrical systems and other mechanical assemblies; performs engine tune-ups and ignition system adjustments; inspects, adjusts and relines equipment and a variety of mechanical aids in the repair, adjustment and maintenance of motorized equipment; performs road test, and inspects buses and other automotive equipment to ensure against potential safety hazards; estimates time and material costs concerning repair and maintenance functions; schedules routine maintenance utilizing computer; expedite material requisition for Bench supervisor; performs minor body and fender repair; responds to emergency roadside service needs using electric and gas welding equipment; welds pipelines and fittings; performs brazing, hard facing, cutting and welding of various school structures; constructs, fabricates and manufactures equipment, parts for building repair and equipment repair; may form and fabricate metal parts and members; forges, dresses, tempers and sharpens tools; maintains shop in clean and orderly condition.

QUALIFICATIONS

Knowledge of:

Principles, methods, materials, tools and equipment used in the maintenance and repair of a variety of gasoline and diesel powered motorized vehicles and equipment;
Principles and theories of the internal combustion engine, including heavy duty gasoline and diesel powered equipment;
Provisions of the California Motor Vehicle Code and Title 13 applicable to the operation of vehicles in the transportation of school children;
Methods, materials, equipment and practices used in electric acetylene welding;
Working properties of metals;
Safe working methods and procedures.

Ability to:

Diagnose and locate mechanical and electrical malfunctions and defects;
Perform skilled, heavy duty, journeyman level repair maintenance functions;
Operate a variety of equipment in the repair and maintenance of gasoline and diesel powered motorized vehicles and equipment;
Skillfully operate electric and acetylene equipment;

MECHANIC/WELDER - Page 2

Read and interpret mechanical, electrical and other schematics and diagrams;
Maintain simple records and be able to prepare complete and concise reports;
Utilize digital diagnostic equipment;
Understand and carry out oral and written directions;
Establish and maintain cooperative working relationships.

Experience:

Two years of journeyman experience in general automotive mechanical repair work; and one year of skilled experience in electric and acetylene welding.

Education:

Equivalent to the completion of the twelfth grade, supplemented by coursework or training in heavy duty gasoline and diesel equipment repair and maintenance, and welding and fabrication.

License Requirement:

Possession of a valid Class II, California Motor Vehicle Operator's License; be able to acquire Class B License with school bus certification within six (6) months of hire.

Condition of Employment:

Insurability by the district liability insurance carrier.