

MECHANIC III

DEFINITION

Under general supervision, perform skilled, journeyman level work in the diagnosis, overhaul, and repair of diesel and gasoline powered engines and other vehicle components; may act as a working lead person; and do other related work as required.

ESSENTIAL FUNCTIONS

Receive and write-up description of vehicle malfunction; perform preliminary diagnosis; perform overhaul, maintenance, servicing, and repair on gasoline and diesel powered school buses, automobiles, trucks, heavy equipment, and other mechanical equipment; inspect and diagnose mechanical failures and defects; perform all types of mechanical replacement and repair to manual and automatic transmissions, clutch and flywheel assemblies, driveline assemblies (including replacement of universal joints), differentials and steering systems, hydraulic and air systems, water and fuel pumps, air conditioning systems, governors, injection timing and valve adjustments, carburetors, blowers, alternators and starters, instruments such as odometers and drive cables, electrical systems, emission and exhaust systems; may use electric and gas welding equipment, cutting torch and shaping tools; may construct or manufacture parts and equipment; maintain, pull and examine vehicle maintenance history files; read, interpret and follow schematic drawings and diagrams; monitor safety and emission equipment and maintain standards set by state; observe health and safety precautions; keep labor and material records and completion times; keep simple records; may repair and/or provide emergency service on the road in the event of vehicle breakdown; may provide input into the evaluation of other mechanics.

EMPLOYMENT STANDARDS

KNOWLEDGE AND ABILITIES

Knowledge of:

Principles of gasoline and diesel powered engines;
Methods, tools, equipment and parts used in the repair and maintenance of heavy equipment, cars and other vehicles;
Operation and use of diagnostic equipment;
Current state vehicle emission requirements;
Safe work practices.

Ability to:

Perform highly skilled automotive mechanic work;
Diagnose mechanical malfunction;
Estimate time and materials, use parts catalog and order parts and supplies correctly;
Read and apply operation and technical manuals;
Keep abreast of new trends and developments in the automotive and power equipment trade;
Understand and follow oral and written directions;
Establish and maintain effective working relationships with those contacted in the course of work;
Relate effectively with racially and ethnically diverse staff, students and community.

EDUCATION AND EXPERIENCE

Education:

Equivalent to the completion of the twelfth grade, supplemented by specialized training or coursework in gasoline and diesel powered motorized equipment repair, overhaul and maintenance.

Experience:

Three years of experience as a journeyman level heavy duty, gasoline and diesel powered automotive mechanic.

REQUIRED LICENSES AND/OR CERTIFICATES

Possession of a valid and appropriate California Driver's License (Class B); have an acceptable driving record.

PHYSICAL REQUIREMENTS AND WORKING CONDITIONS

Strength:

Heavy work - lifting, carrying or pulling objects up to 100 pounds. Physical dexterity in limbs and digits necessary to operate a motor vehicle, hand and power tools, and a variety of machinery and equipment used in automotive repair.

CONDITION OF EMPLOYMENT

Insurability by the District liability insurance carrier.

Pre-placement Physical: Class I