

## BUS JOURNEY MECHANIC

### NATURE OF WORK

This is skilled mechanical work at the journey level in the repair and maintenance of a variety of makes and models of buses.

Work involves responsibility for the maintenance and repair of all mechanical elements of City-owned and operated buses. The work includes the use of the usual auto mechanic's tools and also the use of special types of shop equipment, tools, gauges and machinery required for overhauling diesel and gas engine components. Supervision is received from the Garage Supervisor, but much independent action and judgment is required.

### EXAMPLES OF WORK PERFORMED

Overhauls bus diesel engines and light to heavy gasoline engines.

Strips and hot tanks the engine blocks.

Strips, cleans and rebuilds engine valve heads.

Cleans and rebuilds turbo chargers.

Inspects and replaces crankshafts and camshafts.

Inspects and replaces all engine bearings and freeze plugs.

Repairs and overhauls major chassis units including transmissions, clutches, differentials and brake systems.

Installs, overhauls or repairs power, hydraulic, fuel and electrical systems; assists lower-level mechanics with more difficult engine repairs requiring skill or expertise.

Performs light welding and machine work incidental to completion of repair assignment.

Repairs or replaces bearing or microswitches in the bus/carwash machine.

Performs general repair to existing equipment.

Oversees the work of Apprentice Mechanics in any of the seven designated areas as outlined for completion prior to advancing to a Journey Mechanic.

Performs various building maintenance tasks as required.

Performs related work as required.

**DESIRABLE KNOWLEDGE, ABILITIES AND SKILLS**

Thorough knowledge of the design, construction, assembly, adjustment and maintenance of a variety of diesel engines.

Thorough knowledge of the methods, practices, tools and equipment used in the repair and overhauling of diesel engines including valve grinding machines, precision measuring instruments, electronic test equipment, a metal lathe and welding machinery.

Ability to detect and correct all types of mechanical malfunctions in buses.

Ability to establish and maintain effective working relationships with supervisors and co-workers.

Ability to read and understand technical mechanical manuals and wiring diagrams on complicated service procedures.

Ability to follow oral and written instructions.

Ability to keep records of repairs and service operations, and to complete various vehicle-related reports.

Ability to lift up to eighty pounds.

Skill in the use of automotive/diesel tools and equipment.

**DESIRABLE TRAINING AND EXPERIENCE**

As shown under Minimum Qualifications.

**MINIMUM QUALIFICATIONS**

Completion of the seven (7) designated areas as outlined in the Apprentice Mechanic classification; certification as an ASE (Automotive Service Excellence) Mechanic, and retention of said certification, or pass a mutually agreed upon examination; and completion of two (2) years of service at the Apprentice level.

**NECESSARY SPECIAL REQUIREMENT**

Possession of a valid driver's license when operating a vehicle is necessary to the satisfactory performance of assigned duties.

When operating equipment that falls under the Nebraska Commercial Driver's License (CDL) status, the employee is required to possess and maintain the proper license and endorsement.