

Heavy Duty Mechanic II

DEFINITION

This is basic foreman level supervisory and journeyman level of work in the trade of Heavy Duty Mechanic.

An employee of this class in addition of participating in journeyman level work of the Heavy Duty Mechanic trade, organizes, assigns, and supervises the duties of other journeymen and apprentices engaged in the trade, Automotive Mechanics and apprentices, and one or two servicemen or labourers performing assorted labouring tasks. Work of this class involves the overhaul, repair, and maintenance of all mechanical components of heavy commercial and industrial vehicles, construction equipment and stationary power units. Examples of typical equipment worked on are bulldozers, graders, backhoes, front end loaders, cranes, moles heavy trucks, etc., which are powered by spark ignition or diesel engines and are equipped with complex hydraulic systems. Work assignments are usually in the form of work orders and/or oral and written instructions and vary from routine maintenance checks to major tear-downs, rebuilds, and overhauls. Work is performed in shops or field sites as required. Considerable independence of judgement and action is exercised in technical aspects of work with direction from a garage foreman who inspects work in progress or upon completion. Incumbents relieve the foreman in his absence.

TYPICAL DUTIES*

Organizes, assigns, supervises, and participates in the work of other journeymen and apprentices involved in the trade of Heavy Duty Mechanic.

Inspects, diagnoses, repairs, replaces and tests all components of gasoline and diesel internal combustion engines, starting systems, and steering, and braking systems.

Inspects, diagnoses, adjusts, repairs, replaces and tests all components of clutches, hydraulic and pneumatic couplings, transmissions, transfer cases, and axle assemblies.

Inspects repairs, replaces and reassembles suspension systems, frames, wheels, and tracks.

Inspects, repairs, or replaces winches, power take-offs, pneumatic or hydraulic pumps, booms, cables, blades, and buckets.

Inspects, repairs, replaces and re-assembles electrical components such as generators, distributors, starters, relays, solenoids, etc.

Orders materials and supplies for repair shop when instructed by foreman or during his absence.

Prepares labour and parts cost estimates; writes service reports.

Interprets technical manuals relating to manufacturer specifications and warranty requirements.

Keeps minor records and performs simple administrative tasks.

Performs related duties as required.

KNOWLEDGE, ABILITIES AND SKILLS

Considerable knowledge of the standard methods, practices, materials, tools, and equipment of the Heavy Duty Mechanic trade.

Considerable knowledge of the theories and operating principles of spark-ignition and diesel engines, hydraulic, and pneumatic systems, and heavy-duty multi-speed power trains.

Considerable knowledge of the occupational hazards and safety precautions applicable to the work of the trade.

Ability to supervise and assign work of other journeymen, apprentices, and helpers.

Ability to understand and execute oral and written instructions and to interpret technical manuals and specifications.

Skill in the use and care of a variety of hand and power tools and equipment of the trade.

TRAINING AND EXPERIENCE REQUIREMENTS

Job Level

Certified Alberta Journeyman in the trade of Heavy Duty Mechanic with three years experience at the journeyman level and demonstrated supervisory potential. Completion of Level I Foremanship Training or an equivalent recognized by the City of Edmonton; incumbents must successfully complete Level II Foremanship Training upon appointment. Possession of a Class 3 Alberta motor vehicle operator's licence.

** This is a class specification and not an individualized job description. A class specification represents and defines the general character, scope of duties and responsibilities of all positions within a specific job classification. It is not intended to describe nor does it necessarily list the essential job functions for a specific position in a classification. Positions may perform some of the duties listed above but this does not necessarily qualify for placement into this classification.*

Salary Plan	<u>10M</u>	<u>10A</u>	<u>10B</u>	<u>10C</u>
Job Code	0097			
Last Updated:	1991-08 (qualifications)			
Previous Updates:				
Originated:	1980-09			