

Heavy Duty Mechanic I

DEFINITION

This is journeyman level work in the trade of Heavy Duty Mechanic.

Work of this class involves the overhaul, repair and maintenance of all mechanical components of heavy commercial and industrial vehicles including mounted equipment and attachments, heavy construction and agricultural equipment, and stationary power units equipped with complex hydraulic systems and spark-ignition or diesel engines such as bulldozers, graders, cranes, backhoes, deep tunnel hoists, moles, front end loaders, forklifts, heavy powered rollers and related heavy equipment. Assignments are usually in the form of work orders and/or oral and written instructions. Incumbents may work under the direct supervision of a garage foreman who outlines procedures, especially if major overhauls are involved, but generally work is performed independently with latitude for determining specific repair methods and diagnosis of defects. Work is performed in shops or field job sites as required, and is subject to inspection during progress and/or upon completion. An incumbent of this class may be assigned supervision over apprentices or helpers, as required.

TYPICAL DUTIES*

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

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

Inspects, repairs, and re-assembles suspension systems, frames, wheels and tracks.

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

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

Prepares work estimates of labour and parts costs; writes service reports.

Interprets technical manuals relating to manufacturer specifications and warranty requirements.

Keeps minor records.

Performs other related duties as required.

KNOWLEDGE, ABILITIES AND SKILLS

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

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

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.

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TRAINING AND EXPERIENCE REQUIREMENTS

Job Level

Certified Alberta Journeyman in the trade of Heavy Duty Mechanic. Possession of a valid Alberta Class 3 Motor Vehicle Operator's Licence including Air Brake Endorsement.

** 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
Job Code

10M
0094

10A

10B

10C

Last Updated:
Previous Updates:
Originated: