



## CLASS SPECIFICATION

Class Code: 8103  
Date Est: 07/1973  
Last Rev: 08/2019  
Last Title Chg: 12/2001  
FLSA: non-exempt  
Probation: 6 months

### HEAVY EQUIPMENT DIESEL MECHANIC

#### DEFINITION

Under supervision, performs journey level mechanical work repairing and maintaining medium and heavy trucks and construction equipment; and performs related work as required.

#### EXPERIENCE AND TRAINING REQUIREMENTS

Four years of full-time paid experience as a journey level mechanic specializing in heavy equipment, diesel engines and hydraulic systems; OR completion of a recognized apprenticeship program for repair of heavy equipment; OR an equivalent combination of education and experience.

#### LICENSE OR CERTIFICATE

A valid Class "A" Commercial Driver's License must be obtained within six months of hire.

Basic mechanic's tools, including a tool box, customarily used to perform the duties of this position are required at the time of appointment.

A Hazmat Endorsement is required to run lube truck.

Selected applicants will be required to submit to a urine drug test at the time they obtain a learner's permit for a CDL (Commercial Driver's License) or a CDL and they are required to operate vehicles requiring possession of a CDL. Employees with CDL's in this class will also be subject to drug and alcohol testing under the following conditions: reasonable cause, post-accident, random, return to duty and follow-up.

#### DISTINGUISHING CHARACTERISTIC

The Heavy Diesel Equipment Mechanic performs a variety of journey level mechanical work in the repair and maintenance of medium and heavy trucks and construction equipment. Automotive Mechanic performs maintenance of light to medium automotive equipment. The Grounds Equipment Mechanic performs maintenance primarily of grounds and/or turf equipment.

#### SUPERVISION EXERCISED

Exercises no direct supervision.

#### EXAMPLES OF DUTIES (*The following is used as a partial description and is not restrictive as to duties required.*)

Perform journey level mechanical work in the repair and maintenance of medium and heavy trucks, tractors, construction equipment, specialty off road equipment, watercraft and various support equipment such as trailers, asphalt repair equipment, air compressors, etc.

Diagnose problems and repair complex hydraulic systems.

Maintain, diagnose and repair air brakes, transmissions, steering mechanisms, engines, suspension, cooling, electrical and hydraulic systems.

Conduct road tests to locate defects in equipment and make required repairs.

Use a variety of testing devices such as amp meters, volt meters, gauges and other equipment to diagnose mechanical or electrical problems, electronic reader and PC's for diagnosing reasons for computer controlled engines and transmissions.

Perform welding tasks, including the fabrication of parts.

Maintain basic records of work accomplished and parts used.

May provide training and advice for other mechanics.

Perform duties in a safe and responsible manner that does not expose the employee or co-workers to unnecessary risk or danger.

## **JOB RELATED AND ESSENTIAL QUALIFICATIONS**

**Full Performance** (*These may be acquired on the job and are needed to perform the work assigned.*)

**Knowledge of:**

County and departmental policies and procedures.

Computers for use in checking history on equipment, looking up parts, opening and closing work orders.

Safety standards and methods used in the repair of heavy equipment.

**Ability to:**

Perform a variety of skilled mechanical trades work on heavy construction equipment with minimal guidance and supervision.

Operate medium and heavy trucks, tractors, bulldozers, graders and power shovels.

**Entry Level** (*Applicants will be screened for possession of these through written, oral, performance or other evaluation methods.*)

**Knowledge of:**

Tools, equipment, and methods used in journey level mechanical diagnosis, maintenance and repair work on heavy construction equipment.

Principles of hydraulics and maintenance of hydraulic systems.

Welding equipment, methods and techniques.

Skill in the use of hand tools and machines used in the repair of heavy equipment including lathes, drill presses and grinders.

**Ability to:**

Apply the theory and techniques of skilled mechanical trades work in the diagnosis, maintenance and repair of heavy construction equipment.

Maintain routine maintenance records.

Understand and follow written and oral instructions.

Establish and maintain effective work relationships with fellow employees.

**SPECIAL REQUIREMENTS** (Essential duties require the following physical skills and work environment.)

Ability to stand and walk for extended periods. Ability to frequently stoop, bend, kneel and twist upper body. Ability to lift and move objects weighing up to 120 lbs. Ability to distinguish between colors. Ability to use tools requiring dexterity. Exposure to dust, dirt, grease, oils, and chemicals.

*This class specification is used for classification, recruitment and examination purposes. It is not to be considered a substitute for work performance standards.*