

SNOHOMISH COUNTY JOB DESCRIPTION

EQUIPMENT MECHANIC - DIESEL

Spec No. 7006

BASIC FUNCTION

To maintain and repair a variety of heavy equipment including backhoes, dump trucks, front-end loaders, tractor-trailer rigs, sweepers, agricultural tractors with mowers and similar equipment.

STATEMENT OF ESSENTIAL JOB DUTIES

1. Troubleshoots, diagnoses and repairs a variety of defects, malfunctions and other problems in vehicle systems and components; repairs, rebuilds and/or overhauls brakes, cooling systems, drive train components, electrical components, engines, exhaust systems, hydraulic systems, suspension and steering systems, transmissions, and other assemblies, components and systems as necessary; replaces and/or rebuilds damaged or worn parts as required.
2. Operates a variety of shop equipment as necessary including electric and oxyacetylene welding equipment, electronic test equipment, front-end alignment equipment, sandblasting and painting equipment, tire mounting and wheel balancing equipment, plasma cutters, band saws, metal lathes, brake lathes, hydraulic presses, air conditioning and emission test equipment.
3. Fabricates machines, parts and electronics as necessary.
4. Performs a variety of preventive maintenance and service work on gasoline and diesel powered heavy equipment; tunes and adjusts engines, and replaces worn parts as necessary; adjusts brakes and clutches, aligns wheels, and performs other electrical, mechanical and hydraulic system adjustments as necessary; inspects, safety checks.
5. Road tests and operates vehicles and equipment on county public roads as necessary.
6. Repairs dents, rust spots and other minor body damage as required; sands, primes and paints body surfaces as necessary; repairs and/or replaces damaged trim and accessories as necessary; replaces broken windshields and other glass as required; may disassemble and rebuild garbage trailers, dump boxes and similar equipment, as required.
7. Performs field repair work as required.

STATEMENT OF OTHER JOB DUTIES

8. May work in confined spaces and with hazardous materials.
9. May perform any of the duties of an Equipment Service Technician as required.
10. Performs related duties as required.

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MINIMUM QUALIFICATIONS

Successful completion of an accredited diesel/heavy duty equipment mechanic apprenticeship program; OR, four (4) years of employment as a diesel/heavy duty equipment mechanic; OR, any equivalent combination of training and/or experience that provides the required knowledge and abilities. Must pass job related tests.

SPECIAL REQUIREMENTS

A valid State of Washington Commercial Driver's License is required to operate and road test applicable equipment on public roads within six (6) months after employment. You will be a candidate for random drug and alcohol testing.

Candidates for employment may be required to pass a pre-employment physical examination before being hired.

Job offer will be conditioned on satisfactory results of a post-offer, pre-employment drug test.

Employees are required to furnish their own hand tools.

State Certification for Diesel Emission Testing within six (6) months after employment.

Federal certifications for air conditioning repair and maintenance within six (6) months of employment.

National Institute for Automotive Service Excellence (ASE) Certificates T7 and T4 may be substituted for Air Conditioning Certification and Air Brake Certification.

KNOWLEDGE AND ABILITIES

Knowledge of:

- the equipment, materials, methods, procedures and tools used in the maintenance and repair of a variety of gasoline and diesel powered heavy equipment
- the theory and operating principles of internal combustion engines and related systems and components
- the operation of and routine maintenance and troubleshooting procedures relevant to a variety of heavy equipment such as backhoes, dual axle dump trucks, front-end loaders, tractor-trailer rigs and similar equipment
- the equipment, materials, methods, procedures and tools used in body repair and painting work
- occupational hazards and safety rules and regulations

Ability to:

- troubleshoot and diagnose defects, malfunctions and other problems found in a variety of gasoline and diesel powered heavy equipment, and determine the extent of repairs required

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KNOWLEDGE AND ABILITIES (Continued)

Ability to:

- repair, rebuild and overhaul a variety of gasoline and diesel engines, brakes, cooling systems, drive train components, electrical components, exhaust systems, hydraulic systems, suspension and steering systems, manual and automatic transmissions, and other assemblies, components and systems found in heavy equipment
- repair accessories, minor body damage and broken glass on a variety of heavy equipment
- cut, weld and fabricate a variety of metal parts and body panels
- read, understand, interpret and work from a variety of service and repair manuals, manufacturer's bulletins, schematic drawings and related materials
- read, understand and comply with safety rules and regulations
- use a wide variety of hand and power tools, electronic test equipment, welding equipment and supplies, and other diagnostic and repair equipment skillfully and safely under a variety of working conditions
- operate a variety of gasoline and diesel powered heavy equipment skillfully and safely under a variety of traffic and weather conditions
- perform strenuous physical work
- follow oral and written instructions
- establish and maintain effective work relationships with superiors, co-workers, employees of other county departments, and with vendors and representatives of other agencies

PHYSICAL EFFORT

Lifting heavy parts more than sixty (60) pounds is required.

SUPERVISION

The employee reports to and receives direction from an Equipment Maintenance Supervisor. The work varies from routine maintenance work such as doing minor tune ups and lube and tire work to doing a complete overhaul of an engine or transmission. The employee carries out assigned tasks independently and is held accountable for the products produced. The work may be spot checked to ensure timely completion and compliance with work orders and instructions. The employee may oversee the work of Equipment Service Technicians or temporary help.

WORKING CONDITIONS

The majority of the work is performed in an equipment maintenance shop with field trips as necessary to repair disabled vehicles in the field.

Employees are required to work evenings, weekends and holidays as necessary.

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Snohomish County is an Equal Employment Opportunity (EEO) employer.
Accommodations for individuals with disabilities are provided upon request.

[EEO policy and ADA notice](#)

Class Established: June 1977 as Mechanic

Previous Spec No. 810861

Revised and Retitled: March 1984 as Equipment Mechanic II, April 1986

Revised: April 1990, March 1993, May 1993, March 1994, June 1995, October 1997, December 2001, May 2009, April 2016 - Per AFSCME Contract

EEO Category: 7 - Skilled Craft Workers

Pay Grade: 239 – Classified Pay Plan

Workers Comp: 1501 Hazardous