**Class Summary**

Incumbents within this classification include assisting journey – level Heavy Duty (HD) Machinist with mechanical, electrical, hydraulic and preventive maintenance repair work on a variety of light and heavy-duty vehicles and stationary equipment or related components. Incumbents within this classification are enrolled in an Labor and Industries (L&I) approved apprenticeship program.

**Distinguishing Characteristics**

This is the first of a three-level HD Machinist classification series. Incumbents gain experience in this classification and are assigned increasingly responsible work and work more independently in areas where they have demonstrated skill as they learn all aspects of mechanical systems, theory, operation and troubleshooting, maintenance, and repair of a variety of equipment and related components. Work is performed independently under the general oversight of a HD Machinist I or II.

**Examples of Duties**

*All duties below can be performed independently or in conjunction with or under the general oversight of a HD Machinist.*

1. Perform mechanical, electrical, and hydraulic repair work and preventative maintenance on light and heavy vehicles, tractors, mowers, trailers, backhoes, loaders, buses, electric buses, and other mechanical-related equipment.
2. Troubleshoot and diagnose major and minor mechanical, hydraulic, and electrical problems in all types of equipment.
3. Fabricate, install, adjust, replace, or rebuild systems, components and related parts. Install and fabricate a variety of metal fixtures.
4. Document maintenance, repairs, and problems on work orders. May prepare reports and maintain records.
5. Perform oil servicing, sampling, and greasing.
6. Repair machine drums and rotors.
7. Perform other duties as assigned.

**Knowledge/Skills**

Knowledge of the maintenance and repair of gasoline and diesel engines, accessories, and associated systems

Knowledge of brakes, suspension, running gear, and associated systems

Knowledge of electrical, hydraulic and air systems

Knowledge of industrial and shop safety rules, procedures, and equipment

Knowledge of the use of electrical, electronic, hydraulic, and mechanical test equipment

Knowledge of technical terms used in light and heavy equipment repair

Skill in verbal and written communication

Ability to effectively engage in and sustain relationships with people from diverse cultures and socio-economic backgrounds

Ability to work independently and as a team member

Demonstrated proficiency with business applications, such as Microsoft Office suite

**Education and Experience Requirements**

Successful completion of the union approved apprentiship program education requirements

**Licensing, Certification and Other Requirements**

Valid Washington State driver's license

Additional licenses, certifications and other requirements determined to be necessary to meet the business needs of the employing unit may be required.

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| **FLSA Designation** | Non-Exempt |
| **Service Status** | Career Service |
| **EEO Code** | 7 |
| **Levels within same series** | Mechanic-Automotive Machinist – HD Apprentice  Mechanic-Automotive Machinist I – HD  Mechanic-Automotive Machinist II – HD |
| **Class History** | 1/2019 - Created |