

# WAGE GRADE CAREER PATH

**WG 5309**

## HEATING EQUIPMENT REPAIRER/BOILER PLANT EQUIPMENT MECHANIC

This occupation covers nonsupervisory jobs involved in installing, maintaining, repairing, troubleshooting, and modifying single and multiple fuel heating and power boilers and associated auxiliary and pollution control equipment, hot air furnaces, and similar equipment systems. The systems and equipment provide steam, heat, or hot water for use in the operation of industrial and institutional facilities and equipment. This work requires knowledge of the principles of combustion, heat transfer, and steam and high temperature hot water generation. It also requires the ability to recognize and determine the best method for correcting malfunctions and the skill to install and repair a variety of heat and power producing systems and support equipment.

WG02 - **Step**  
WG05

**Part 1**

**Apprentice/Helper/Trainee; Trade/Less than Journeyman**

- |  |   |   |
|--|---|---|
|  | 1 | Complete New Hire Orientation                                     |
|  | 2 | Complete Civilian Training Plan requirements for current position |
|  | 3 | Complete task qualifications for current position                 |
|  | 4 | Complete task certifications for current position                 |
|  | 5 | Master simple to common work tasks under supervision              |
|  | 6 | Maintain successful to above average performance ratings          |

WG05 -  
WG08

**Part 2**

**Trade/Less than Journeyman**

- |  |   |   |
|--|---|---|
|  | 1 | Continue required on-the-job and formal classroom training required in Civilian Training Plan   |
|  | 2 | Complete task qualifications for current position   |
|  | 3 | Complete task certifications for current position   |
|  | 4 | Master common to complex work tasks. Grade 8 heating equipment repairers install, repair, and maintain a variety of domestic heating equipment and systems such as oil fueled heaters, hot air furnaces, heating boilers, and other systems and equipment with similar heat sources, controls, and circulating methods. |
|  | 5 | Maintain successful to above average performance ratings  |

**Part 3**

**Journeyman**

- |  |   |  |
|--|---|--|
|  | 1 | Continue required on-the-job and formal classroom training required in Civilian Training Plan  |
|  | 2 | Complete task qualifications for current position  |
|  | 3 | Complete task certifications for current position  |
|  | 4 | Master common to complex work tasks. At Grade 10, boiler plant equipment mechanics install, maintain, and repair a variety of complex equipment and systems involving power boilers with complicated components, critical requirements, and rigid tolerances. They repair, troubleshoot, and maintain single-and-multiple fuel power boilers and associated auxiliary and pollution control equipment such as water treatment systems, chemical dispensers, electrostatic precipitators, bag houses and ash removal equipment, and wet particulate scrubbers. Power boilers use oil, gas, coal, wood, refuse derived fuel (RDF), tire chips, or combination fuels in steam or hot water production and distribution plants. Power boilers serviced at this level typically include a variety of auxiliary components such as fuel delivery systems, induced draft fans, conveyor belts, preheaters, coal pulverizers, worm screw feeders, moving floors, deaerating equipment, water treatment equipment, economizers, and air compressors that often require regular adjustment and maintenance to meet rigid tolerances. |
|  | 5 | Provide production support services  |
|  | 6 | Maintain successful to above average performance ratings   |

*This list is not all inclusive. For more information on your series, visit the OPM site below. Copy and paste the link in your browser.*

[OPM Classification Standards](#)