

EDUCATION & EXPERIENCE

- ▶ Completion of Grade 12 is usually required.
- ▶ Completion of a three- to five-year apprenticeship program; or a combination of more than four years of work experience in the trade and some high school, college or industry courses in heavy equipment repair is usually required to be eligible for trade certification.

TRAINING

The Industry Training Authority is a good place to find information about becoming a heavy-duty equipment mechanic and training for careers in the Trades. There are four levels of training involved if you want to become a heavy-duty equipment mechanic and you can register at a number of different schools to train, including the College of New Caledonia, Coast Mountain College and Northern Lights College.

If you're interested in completing Grade 12 or upgrading your skills, you have a number of options. Check out adult basic education programs at:

- ▶ The College of New Caledonia.
- ▶ Coast Mountain College.

If you have your Grade 12 and are interested in exploring your career options, contact:

- ▶ General educational advisors or First Nations Access coordinators at Coast Mountain College.
- ▶ School of Exploration & Mining advisors at Coast Mountain College.
- ▶ Academic advisors at the College of New Caledonia.

CAREER ADVANCEMENT POTENTIAL

- ▶ Progression to supervisory positions or more senior occupations such as purchasing agent or retail buyer is possible with additional training or experience.

To learn more about a career as a heavy-duty equipment mechanic (including information about work duties and working conditions, salaries and employment prospects), you can access information in the National Occupation Classification (NOC) System at www.workbc.ca. The NOC code for this occupation is 7312.

HEAVY DUTY EQUIPMENT MECHANICS

Heavy-duty equipment mechanics repair, troubleshoot, adjust, overhaul and maintain mobile heavy-duty equipment – powered by internal combustion engines or electricity – used in construction, transportation, forestry, mining, oil and gas, material handling, landscaping, land clearing, farming and similar activities.



Image source: MiHR Council and iStock

JOB DESCRIPTION

Heavy-duty equipment mechanics perform some or all of the following duties:

- ▶ Check bulldozers, cranes, graders and other heavy construction, agricultural, logging and mining equipment for proper performance and inspect equipment to detect faults and malfunctions.
- ▶ Diagnose faults or malfunctions using computerized and other testing equipment to determine extent of repair required.
- ▶ Adjust equipment and repair or replace defective parts, components or systems, using hand and power tools.
- ▶ Test repaired equipment for proper performance and to ensure that work meets manufacturers' specifications.
- ▶ Clean, lubricate and perform other routine maintenance work on equipment.
- ▶ Service attachments and working tools such as harvesting and tillage equipment, blades, ploughs, winches and side booms.
- ▶ May perform repair work on heavy trucks.
- ▶ May attach components and adjust new farm equipment.

Heavy-duty and farm equipment mechanics may specialize in specific types of machinery such as combines or tracked vehicles, or in engine overhaul, power shift transmissions, fuel injection, hydraulics or electronics.

Seabridge Gold developed its job fact sheets using information from Human Resources and Skills Development Canada's 2006 National Occupational Classification, Work BC (www.workbc.ca) and the Mining Industry Human Resource Council (<https://mihrc.ca>). To learn more about Seabridge Gold and its projects, visit www.seabridgegold.com.