

MOTIVE POWER

NOC 7312

HEAVY-DUTY EQUIPMENT TECHNICIAN (MECHANIC) (A.C.A., non-restricted certified trade)



WORK DESCRIPTION

What would I be doing?

Heavy-Duty Equipment Technicians repair, overhaul, and maintain mobile heavy-duty equipment used in construction, forestry, mining, material handling, landscaping land clearing, farming, and similar activities. They perform the following tasks:

- check bulldozers, cranes, graders, and other heavy equipment for proper performance, and inspect equipment for faults and malfunction,
- adjust, repair or replace defective parts, using hand and power tools,
- clean and lubricate, and perform other tasks to make the equipment safe and functional,
- use specialized equipment for diagnosis.

Heavy-Duty Equipment Technicians normally work a standard 40-hour week. They may work shifts including weekends and holidays. They work both inside and outdoors and need to have a strong physical stamina.

PLACE OF WORK

Who needs Heavy -Duty Equipment Technicians ?

- mining, forestry, construction companies,
- landscaping companies and farmers, municipalities,
- road construction and cleaning companies.

CONDITIONS OF WORK

Heavy-Duty Equipment Technician is a non-restricted certified trade.

A person does not have to have a valid Certificate of Qualification to work in the trade but a registration as an apprentice is recommended. A Cooperative Education student, who is not a signed apprentice, does not have to be paid. An apprentice **may** be paid wages.

SALARIES/WAGES

The salary depends on the employer, years of experience, and level of training. In unionized places the wages and conditions of work are negotiated collectively.

In the Elgin, Middlesex and Oxford area, Heavy-Duty Equipment Technicians can earn \$ 16.89 - \$ 20.07 per hour, averaging \$ 18.97 per hour.

(Next)

PROSPECTS of EMPLOYMENT in the Elgin, Middlesex and Oxford area

RATING: *fair*

Growth in the Heavy-Duty Equipment Technician Trade is largely controlled by the economy.

APPRENTICESHIP IN THE HEAVY-DUTY EQUIPMENT TECHNICIAN TRADE

- takes about 4 1/2 years or 9 000 h, including 720 h of in-school post secondary training; prior education and experience may shorten the time to complete all the competencies,
- must complete the apprenticeship to receive a Certificate of Apprenticeship and can write a Certificate of Qualification Exam for a Certificate of Qualification with journeyman status,
- offers an Interprovincial Trade Certification (Red Seal).

In-School Education:

An OYAP student must be 16 years old and completed Grade 10 (or equivalent). Otherwise, all apprenticeship applicants must successfully complete Grade 12 (OSSD) or equivalent. The following competencies are valuable:

English, Science, *Communication and Mathematics, problem-solving skills*
Transportation Technology (Mechanics)

OYAP students must be full-time students in high school and those who obtain apprenticeships will complete the apprenticeship curriculum in college or an approved Training Delivery Agent.

Specific skills learned in school are: safety, using and maintaining tools and equipment, welding, motive power suspension

systems, motive power engine systems, motive power electrical, electronic and fuel systems, motive power gear train system, stirring and brake systems.

On the Job Training

- As a high school Cooperative Education credit (towards O.S.S.D.), learning is connected to one of the school subjects.
- The Apprentices must follow a program in the **Apprenticeship Training Standards** book which is given to them in the workplace when they register. As each competency is achieved the employer signs it off.

OPPORTUNITY TO GROW

A Certificate as a journeyman is not needed to start working as a Heavy-Duty Equipment Technician but an apprenticeship is recommended. After becoming a journeyman a mechanic may:

- become a foreperson or a supervisor,
- work in related areas or occupations.

RELATED OCCUPATIONS

- Automotive Service Technician,
- Aircraft maintenance Technician,
- Crane Operator, Mining Machine Operator.
- Farm Equipment Mechanic

CONTACT INFORMATION

Whom should I call?

School Guidance/Co-Op Office

Apprenticeship Office 519 675 7788

London: 1 800 265 1050

Apprenticeship web: www.edu.gov.on.ca

EMOLTB web site www.localboard.on.ca

Training Hotline 1 800 387 5656

Union: