



Heavy Equipment Service Technician

Heavy-duty equipment mechanics repair, troubleshoot, adjust, overhaul and maintain mobile heavy-duty equipment used in construction, transportation, forestry, mining, oil and gas, material handling, landscaping, land clearing, farming and similar activities.



EAST COAST TRADES COLLEGE
www.eastcoasttrades.com



Course Outline:

- Safety
- Tools & Equipment
- Hoisting & Lifting
- Communication & Documentation
- Preventative Maintenance
- Start, Move & Park Vehicle
- Fasteners, Tubing Hoses & Fittings
- Lubrication & Fluids Servicing
- Gaskets, Seals & Sealing Compounds
- Bearings
- Metallurgy
- Cutting & Heating
- MIG Welding
- Tires, Rims & Wheels
- Engine Principles
- Cooling Systems
- Engine Lubrication Systems
- Electrical & Electronic Principles
- Batteries
- Conventional Light Circuits
- Wiring Harnesses & Accessories
- Introduction to Hydraulics
- Hydraulic Fittings, Piping, Tubing & Hoses
- Reservoirs, Coolers & Filters
- Vehicle Hydraulic Brake Systems
- Basic Air Brake Systems
- Ozone Depleting Substances

What type of work do Heavy Equipment Service Technicians do?

- 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 or power tools.
- 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.



What are the employment requirements for working in this trade?

- Completion of secondary school and training courses or a vocational program is usually required.
- Heavy-duty equipment technician trade certification is compulsory in Quebec and Alberta and available, but voluntary, in all other provinces and the territories.
- Red Seal endorsement is also available to qualified heavy duty equipment technicians and agricultural equipment technicians upon successful completion of the inter provincial Red Seal examination.



What types of jobs can I obtain after completing this program?

- Agricultural equipment technician
- Apprentice farm equipment mechanic
- Construction equipment mechanic
- Diesel engine mechanic
- Crane service technician
- Diesel mechanic - heavy equipment
- Diesel mechanic apprentice
- Excavating equipment mechanic
- Farm tractor mechanic
- Fuel injection unit service -diesel
- Locomotive mechanic
- Mobile farm equipment mechanic
- Mobile mining equipment mechanic
- These are just a few of the many jobs that you could obtain please refer to the National Occupational Classification for more job titles.

*All information provided in brochures are subject to change. Please verify with College for exact costs or changes to course outline.

How Our Program Works:

This 32 week program provides 3 weeks in class of essential skills and safety training. After that you are only in class 2 days per week the other 3 days you are getting hands-on experience right out in Industry working side by side with a licensed technician.

We bring you back to class for two full weeks the end of April to prep you for your Provincial Block I Exam...

Employers want experience... what a way to get it...

Where can Heavy Equipment Service Technicians be employed?

They are employed by companies which own and operate heavy equipment, and by heavy equipment dealers, rental and service establishments and railway transport companies and urban transit systems.



Tuition Referral Rebate:

Apply, be accepted, refer a friend they also apply and get accepted you both graduate on Graduation night you will receive a \$500.00 Tuition Rebate.

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