



SKILLED TRADES

POSITIONS IN THE FOREST PRODUCTS INDUSTRY



VIBRATION ANALYST

OTHER JOB TITLES: *NDT (non-destructive testing) maintenance technician acoustic emission technician, industrial radiographer, infrared thermographer, liquid penetrant testing technician, non-destructive inspector, weld tester.*

IF YOU WANT GOOD PAY, OPPORTUNITIES TO LEARN ON THE JOB, A GREAT LIFESTYLE AND THE CHANCE TO WORK IN CANADA'S GREENEST WORKFORCE, THEN THE FOREST PRODUCTS INDUSTRY IS RIGHT FOR YOU.

Why green? The forests are a renewable natural resource and the Canadian forest products industry is known for its world-class environmental credentials, including having the most certified forests in the world, and cutting more than 70% of its greenhouse gas emissions since 1990.

The industry offers something for everyone. It's an industry with a reputation for investing in skills training and career growth, and no matter what part of the forest products industry you work in - on the mill floor as a mechanical engineer, or in the forest as a forestry technician - every job is part of the greenest industry in Canada.

Canadian forest product companies will need to hire 60,000, or more, **new workers by 2020** to meet demand and you could be one of them!

DESCRIPTION

Vibration analysts are described more formally as non-destructive testers and inspection technicians. They test forestry machinery and infrastructure using radiographic, ultrasonic, liquid penetrant, magnetic particle, eddy current and other testing equipment.

If you follow this career path, you probably have an affinity for quality control, maintenance and safety. You will spend time evaluating the condition of a range of machines by understanding vibration data and how machines perform.

Whatever your day brings, you'll know that every time you head into work, you can look forward to being happy with the lifestyle you've earned.

KEY RESPONSIBILITIES

Vibration analysts perform a wide range of technical functions. On any given day, you might:

- set up and calibrate non-destructive testing equipment
- conduct tests to ensure quality or detect discontinuities (defects) using ultrasonic, radiographic, liquid penetrant, magnetic particle, eddy current and other non-destructive testing methods
- establish techniques to examine objects under inspection, ensuring strict adherence to safety regulations
- instruct and supervise trainees
- interpret radiographs, cathode ray tube (CRT) or digital readouts, conductivity meters and visual indicators
- apply testing criteria in accordance with applicable specifications or standards and evaluate results
- organize and report test results
- perform specialized inspections using acoustic emission, vibration analysis, infrared thermography and laser shearography testing methods

\$ EARNING POTENTIAL



This is the high end of the Canadian average. In some areas, vibration analysts make more than \$50 per hour.

+ BENEFITS MAY INCLUDE

- Apprenticeships
- Career growth
- Daycare
- Dental and medical plans
- Employee assistance plans
- Pensions
- Ongoing training

🍏 EDUCATION AND TRAINING

The training and education required to work as a vibration analyst is certified by the Canadian government. You need to finish high school and then complete two years of an approved post-secondary science or engineering program. After that you are eligible to write exams to earn a "non-destructive testing" certificate from Natural Resources Canada. This is available in three levels and is usually required by employers. See the list of approved test centres across Canada. Here is a complete list of Canadian Universities and Colleges: thegreenestworkforce.ca/education

👍 THIS JOB IS RIGHT FOR YOU IF...

- you want to live an oversized life in one of Canada's beautiful forest communities
- a sense of community is important to you
- you like variety and learning new things
- you like solving problems
- you want to make a difference working in a green job
- you like analytical thinking
- you are handy with tools
- you cooperate well with other tradespeople

#LIFE'S BETTER HERE

Dare to Compare. See how much time and money you would save by moving to a forest community. Visit thegreenestworkforce.ca/compare