

HEAVY DUTY EQUIPMENT TECHNICIAN INFORMATION SHEET 2023

Employers, journeypersons and instructors play a key role in the success of apprenticeship in Newfoundland and Labrador. By working collaboratively with government, stakeholders support the apprenticeship system in the development of a highly skilled workforce.

To receive a Red Seal endorsement, apprentices must pass the Red Seal examination. In 2022, Newfoundland and Labrador's Red Seal exam pass rate for the Heavy Duty Equipment Technician trade was 63 per cent. This is above the 2022 national average of 54 per cent. As supervising journeypersons and instructors, you are integral in helping train and prepare apprentices to write the Red Seal exam. Apprentices should be exposed to, have the ability to practice, and be able to explain how to complete all skills in the logbook; this will assist them in being successful in their Red Seal exam.

Given the broad scope of the trade, it can be difficult to know where to focus to prepare apprentices. To help inform your training plan with the apprentice, the Apprenticeship and Trades Certification Division (ATCD) has identified a list of five lower performing tasks demonstrated by Newfoundland and Labrador apprentices on the Red Seal exam for your trade*. We encourage you to review the list below with apprentices. Details on these tasks can be found in the national occupational standard for your trade – the National Occupational Analysis (NOA): [National Occupational Analysis - Heavy Duty Equipment Technician](#)

Task/Sub-Task	Description	Number of Questions on RS Exam (out of 135)	NOA Page Number
Task A-1	Uses and maintains tools and equipment.	3 questions	Pg. 7
A-1.01	Maintains tools and equipment.		
A-1.02	Uses hoisting and lifting equipment.		
A-1.03	Operates access equipment.		
A-1.04	Uses personal protective equipment (PPE) and safety equipment.		
Task C-7	Diagnoses hydraulic, hydrostatic and pneumatic systems.	16 questions	Pg. 34
C-7.01	Diagnoses hydraulic systems.		
C-7.02	Diagnoses hydrostatic systems.		
C-7.03	Diagnoses pneumatic systems.		
Task E-12	Repairs steering, suspension, brake systems, wheel assemblies and undercarriage.	9 questions	Pg. 55
E-12.01	Repairs steering systems.		
E-12.02	Repairs suspension systems.		
E-12.03	Repairs brake systems.		
E-12.04	Repairs wheel assemblies.		
E-12.05	Repairs undercarriage systems.		
Task F-13	Diagnoses electrical systems.	8 questions	Pg. 60

Task/Sub-Task	Description	Number of Questions on RS Exam (out of 135)	NOA Page Number
F-13.01	Diagnoses starting/charging systems and batteries.		
F-13.02	Diagnoses electrical components, motors and accessories.		
Task H-19	Diagnoses structural components, accessories and attachments.	3 questions	Pg. 77
H-19.01	Diagnoses structural components.		
H-19.02	Diagnoses operator station components.		
H-19.03	Diagnoses attachments and accessories.		

**The information above represents the last three years where Red Seal exam data is available (May 2020 – May 2023).*

For additional resources to assist apprentices (e.g., Self-Assessment Guide, Red Seal Practice Questions, etc.), please visit the **Trade Profile** section on the ATCD website: www.gov.nl.ca/atcd/designated-trades/trade-profiles/

ATCD would like to thank you for your contribution towards apprenticeship training and investing in the future of skilled trades in Newfoundland and Labrador.