

INDUSTRIAL MECHANIC (MILLWRIGHT) 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 Industrial Mechanic (Millwright) trade was 77 per cent. This is above the 2022 national average of 47 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 Red Seal Occupational Standard (RSOS): [Red Seal Occupational Standard - Industrial Mechanic \(Millwright\)](#)

Task/Sub-Task	Description	Number of Questions on RS Exam (out of 135)	RSOS Page Number
Task C-11	Services couplings, clutches and brakes.	5 questions	Pg. 101
C-11.01	Installs couplings, clutches and brakes.		
C-11.02	Diagnoses couplings, clutches and brakes.		
C-11.03	Maintains couplings, clutches and brakes.		
C-11.04	Repairs couplings, clutches and brakes.		
Task C-12	Services chain and belt drive systems.	5 questions	Pg. 109
C-12.01	Installs chain and belt drive systems.		
C-12.02	Diagnoses chain and belt drive systems.		
C-12.03	Maintains chain and belt drive systems.		
C-12.04	Repairs chain and belt drive systems.		
Task D-18	Services compressors.	5 questions	Pg. 158
D-18.01	Installs compressors.		
D-18.02	Diagnoses compressors.		
D-18.03	Maintains compressors.		
D-18.04	Repairs compressors.		
Task E-22	Services pneumatic and vacuum systems.	9 questions	Pg. 202
E-22.01	Installs pneumatic and vacuum systems.		

Task/Sub-Task	Description	Number of Questions on RS Exam (out of 135)	RSOS Page Number
E-22.02	Diagnoses pneumatic and vacuum systems.		
E-22.03	Maintains pneumatic and vacuum systems.		
E-22.04	Repairs pneumatic and vacuum systems.		
Task F-24	Commissions and decommissions equipment.	5 questions	Pg. 223
F-24.01	Commissions systems and components.		
F-24.02	Decommissions systems and components.		

**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.