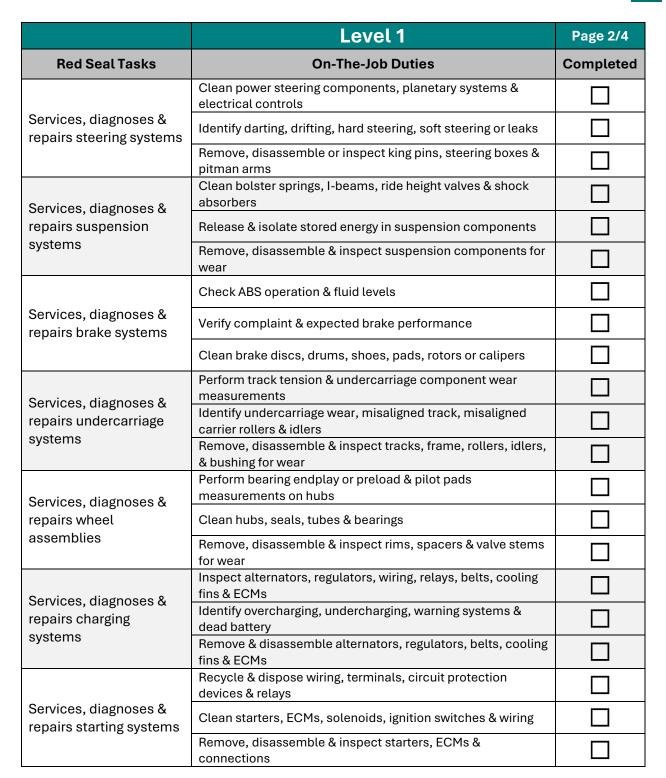


	Level 1	Page 1/4
Red Seal Tasks	On-The-Job Duties	Completed
Performs safety-related functions	Identify broken equipment, fluids & gases under high pressure	
	Understand anti-spill kits & procedures	
	Repair or replace, & report worn or defective PPE	
	Implement safety protocols for hybrid & all-electric equipment systems	
	Clean hand, power, measuring, testing & diagnostic tools	
	Maintain, lubricate, repair or replace shop equipment	
	Obtain clearances & licenses for use of access equipment	
Uses & maintains tools & equipment	Determine hoisting, rigging & lifting equipment	
	Set up welding equipment & perform basic welding	
	Perform basic heating & cutting procedures	
	Monitor data & parameters & adjust parameters	
	Document work-related information & service history	
Performs routine work practices	Determine parts required, availability & refer to service information	
	Verify & adjust fluid levels	
	Crimp & press fittings, construct hose & tubing assemblies	
	Install seals, adjust bearings & heat or cool bearings	
	Verify quality of fasteners & sealing materials	
	Adjust, remove or replace restraints, warning devices & limit devices	
	Perform equipment shut-down procedures	
Uses communication & mentoring techniques	Receive & respond to feedback on work completed or performed	









	Level 1	Page 3/4
Red Seal Tasks	On-The-Job Duties	Completed
Services, diagnoses & repairs battery systems	Load test batteries & measure specific gravity of each cell	
	Identify no start, hard start, battery smells & charging issues	
	Clean battery system batteries, terminals, compartment & cables	
Services, diagnoses & repairs electrical components	Recycle & dispose circuit protection devices, relays & lighting devices	
Services, diagnoses & repairs heating systems	Identify worn or defective conditioner fins, fans, cables & heater cores	
	Remove & disassemble heater cores, blowers & radiators	
	Assemble & install actuator doors, motors, pumps & ducting	
Sanjage diagnoses &	Measure air flow, recycle & dispose of filters	
Services, diagnoses & repairs ventilation &	Inspect evaporators, filters (washable &HEPA), door & window seals	
filtration systems	Assemble & install fins, door & window seals, latches & heater cores	
Saniaga diagnagas 8	Perform air flow, temperature, pressures & air gap (of A/C clutch) measurements	
Services, diagnoses & repairs air conditioning systems	Remove or disassemble condenser, compressors & receiver dryer	
	Remove or disassemble accumulator, A/C clutch & sensors	
Services, diagnoses &	Adjust foam, insulation, panels & fasteners in engine	
repairs sound suppression systems	Document noise level test results & inspection findings	
	Select & use decibel meters & ventilators	
Services, diagnoses &	Inspect reservoir for signs of rust & structural damage	
repairs pneumatic systems	Select & use pressure gauges, flow meters & restriction gauges	
	Perform start-up & break-in procedures	

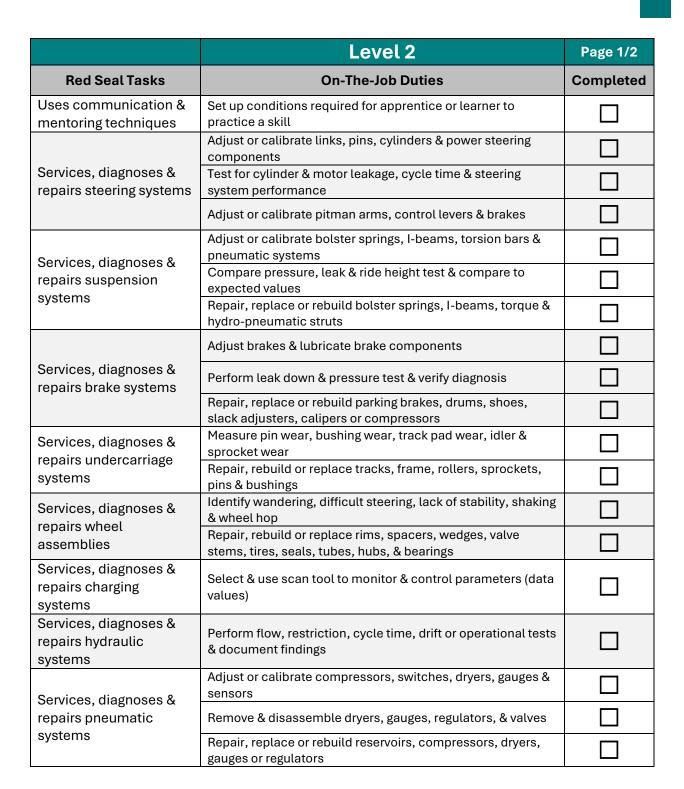






	Level 1	Page 4/4
Red Seal Tasks	On-The-Job Duties	Completed
Services, diagnoses & repairs structural components	Remove or replace cushion stoppers for joint articulation, & stopper plates	
Services, diagnoses & repairs operator station components	Look for burnt lights & worn operator station components	
	Remove sound suppression systems, seat, seat belt, bulbs & glass	
	Replace monitor controls & emergency exit system	
Services, diagnoses & repairs hydraulic systems	Clean or lubricate seals, relief & control valves, screens & fittings	









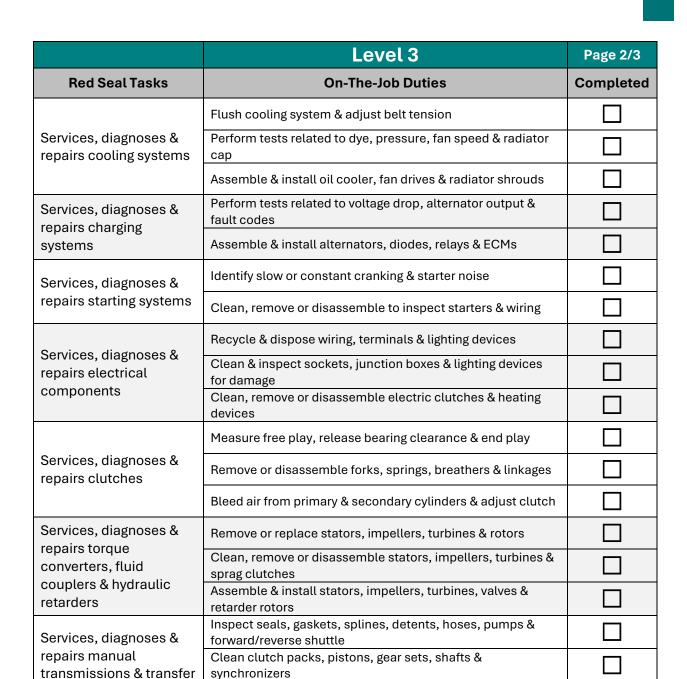


	Level 2	Page 2/2
Red Seal Tasks	On-The-Job Duties	Completed
Services, diagnoses & repairs hybrid equipment	Remove or replace filters, fluids, fuses & diodes	
Services, diagnoses & repairs all-electric equipment	Adjust or calibrate converters & wiring	
Services, diagnoses & repairs hydrostatic systems	Verify complaint & expected hydrostatic performance	







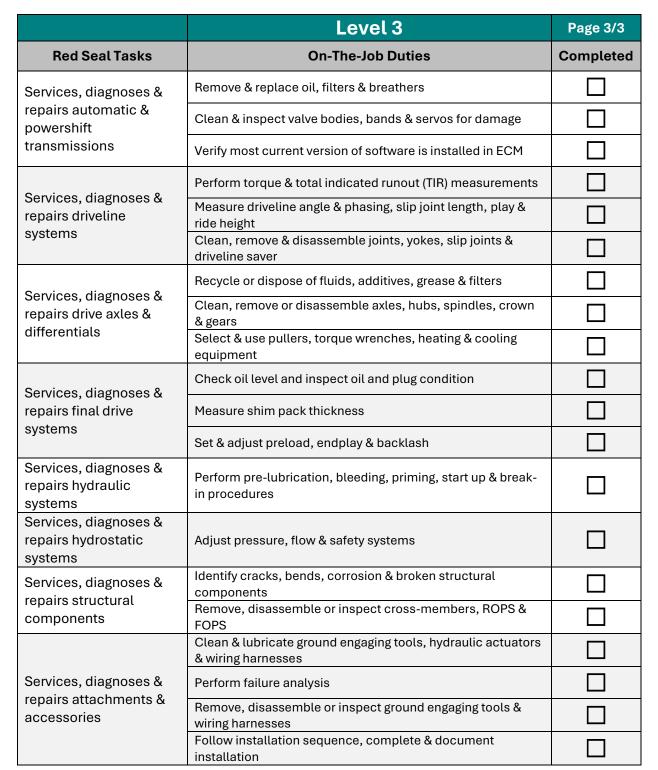


All work performed in this checklist is to be done under the supervision and guidance of a certified journeyperson

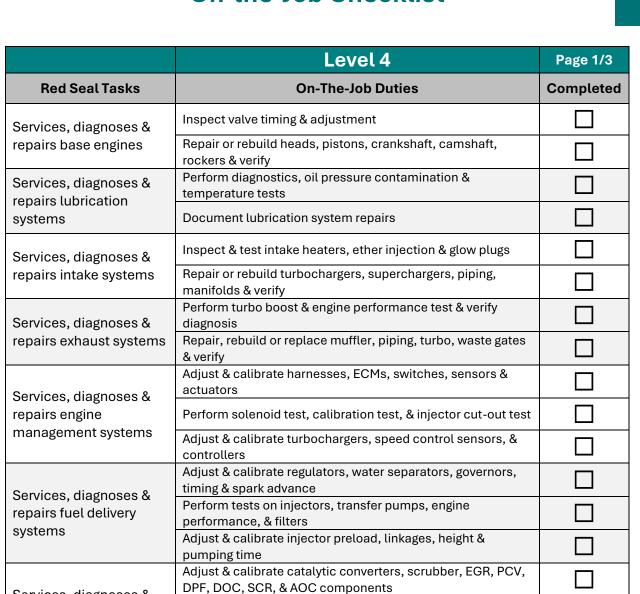
Time gears & install power take-offs (PTOs)



cases







All work performed in this checklist is to be done under the supervision and guidance of a certified journeyperson

Test radiator efficiency & analyze for reuse

system functionality test

belts, caps, tanks, &heaters

condition

point of coolant

Perform exhaust after treatment fuel injector flow & emission

Measure coolant pH, sulphate & chloride levels, test freezing

Repairs are verified using running equipment at operation

Repair, rebuild or replace coolers, radiators, fan drives,



Services, diagnoses &

Services, diagnoses &

repairs cooling systems

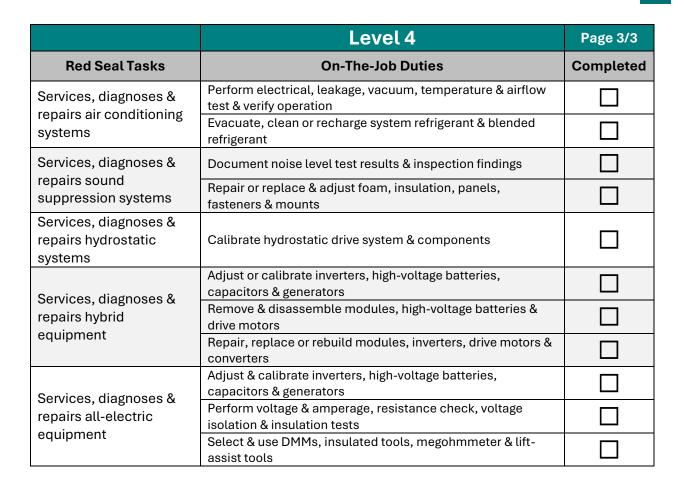
systems

repairs emission control













Information Regarding the Checklist

Saskatchewan Apprenticeship and Trade Certification Commission's (SATCCs) On-The-Job Checklist provides a complete list of trade-specific Red Seal tasks for apprentices to complete under the supervision of a journeyperson. This work should be completed prior to attending the technical training level under which the duties are listed (e.g. Level 1 completed prior to attending Level 1 technical training).

Completing this checklist will ensure that apprentices are exposed to the full scope of a particular Red Seal trade throughout their apprenticeship program. It will also help prepare apprentices for each level of technical training by performing work on-the-job relating specifically to topics covered later on. The tradespecific tasks listed have been reviewed by certified journeypersons in Saskatchewan for their accuracy and have been set to an appropriate skill level.

An apprentice spends approximately 85% of their apprenticeship term training on-the-job. It is both the apprentice's and the employer's or journeyperson's responsibility to supervise an apprentice's practical skills development during their program.

To promote transparency and consistency, this document aligns with the 2023 Heavy Duty Equipment Technician Seal Occupational Standard (Employment and Social Development Canada).

A complete version of the Occupational Standard can be found at www.red-seal.ca

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