

COMPETENCY ANALYSIS PROFILE

(All unshaded skill sets must be demonstrated/completed)

SKILL SETS

SKILLS

<p>OCCUPATIONAL HEALTH AND SAFETY PROCEDURES</p> <p>U8000.0</p>	<p>Identify and take corrective action against potential workplace health and safety hazards</p> <p>8000.01</p>	<p>Handle, store and dispose of hazardous workplace materials</p> <p>8000.02</p>	<p>Wear and maintain personal protective equipment</p> <p>8000.03</p>	<p>Comply with workplace-related legislation</p> <p>8000.04</p>	<p>Interpret and apply service-related information</p> <p>8000.05</p>
	<p>Practice good housekeeping in the workplace</p> <p>8000.06</p>	<p>Comply with Workplace Hazardous Materials Information System (WHMIS)</p> <p>8000.07</p>			
<p>ENGINE SYSTEMS</p> <p>U8001.0</p>	<p>Perform visual inspection, identifying systems type and applications</p> <p>8001.01</p>	<p>Diagnose and troubleshoot cooling systems and components</p> <p>8001.02</p>	<p>Repair cooling systems and components</p> <p>8001.03</p>	<p>Verify repair of cooling systems and components</p> <p>8001.04</p>	<p>Diagnose and troubleshoot engine lubricating systems and components</p> <p>8001.05</p>
	<p>Repair engine lubricating systems and components</p> <p>8001.06</p>	<p>Verify repair of engine lubricating systems and components</p> <p>8001.07</p>	<p>Diagnose and troubleshoot cylinder heads and components</p> <p>8001.08</p>	<p>Repair cylinder heads and components</p> <p>8001.09</p>	<p>Verify repair of cylinder heads and components</p> <p>8001.10</p>
	<p>Diagnose and troubleshoot engine blocks and components</p> <p>8001.11</p>	<p>Repair engine blocks and components</p> <p>8001.12</p>	<p>Verify repair of engine blocks and components</p> <p>8001.13</p>		

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FUEL SYSTEMS U8002.0	Perform visual inspection, identifying fuel subsystems type and applications 8002.01	Diagnose and troubleshoot fuel subsystems and components 8002.02	Repair fuel subsystems and component 8002.03	Verify repair of fuel subsystems and components 8002.04	Perform a visual inspection of mechanical controlled fuel systems and components 8002.05
	Diagnose and troubleshoot mechanical controlled fuel systems and components 8002.06	Repair mechanical controlled fuel systems and components 8002.07	Verify repair of mechanical controlled fuel systems and components 8002.08	Perform mechanical controlled engine tune-ups 8002.09	Perform a visual inspection of electronic controlled fuel engine management systems and components 8002.10
	Diagnose and Troubleshoot electronic controlled fuel engine management systems and component 8002.11	Repair electronic controlled fuel engine management systems and components 8002.12	Verify repair of electronic controlled fuel management systems and components 8002.13	Perform electronic controlled fuel engine tune-ups 8002.14	
INTAKE, EXHAUST AND EMISSION CONTROL SYSTEMS U8003.0	Perform visual inspection, identifying intake and exhaust systems type and applications 8003.01	Diagnose and troubleshoot, intake and exhaust systems and components 8003.02	Repair intake and exhaust systems and components 8003.03	Verify repair of intake and exhaust systems and components 8003.04	Perform a visual inspection, identifying turbocharger/blower systems and components 8003.05
	Diagnose and troubleshoot turbocharger/blower systems and components 8003.06	Repair turbocharger/blower systems and components 8003.07	Verify repair of turbocharger/blower systems and components 8003.08	Perform visual inspection, identifying emission control systems and components 8003.09	Diagnose and troubleshoot emission control systems and components 8003.10
	Repair emission control systems and components 8003.11	Verify repair of emission control systems and components 8003.12			
ELECTRICAL SYSTEMS U8004.0	Perform visual inspection, identifying systems type and applications 8004.01	Diagnose and troubleshoot batteries 8004.02	Serve and boost/charge batteries 8004.03	Diagnose and troubleshoot starting systems and components 8004.04	Repair starting systems and components 8004.05
	Verify repair of starting systems and components 8004.06	Diagnose and troubleshoot charging systems and components 8004.07	Repair charging systems and components 8004.08	Verify repair of charging systems and components 8004.09	Diagnose and troubleshoot electrical/ electronic and computer controlled systems and components 8004.10

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	Repair electrical/ electronic and computer controlled systems and components 8004.11	Verify repair of electrical/electronic and computer controlled systems and components 8004.12	Diagnose and troubleshoot hybrid drives and components 8004.13	Repair hybrid drives and components 8004.14	Verify repair of hybrid drives and components 8004.15
HYDRAULIC SYSTEMS U8005.0	Perform an inspection, identifying electronic/computer, mechanical and pilot operated hydraulic systems type and applications 8005.01	Diagnose and troubleshoot mechanical/pilot controlled hydraulic systems and components 8005.02	Repair mechanical/pilot controlled hydraulic systems and components 8005.03	Verify repair of mechanical/pilot controlled hydraulic systems and components 8005.04	Diagnose and troubleshoot electronic/computer controlled hydraulic systems and components 8005.05
	Repair electronic/ computer controlled hydraulic systems and components 8005.06	Verify repair of electronic/computer controlled hydraulic systems and components 8005.07			
HYDROSTATIC AND TRANSMISSION SYSTEMS U8006.0	Perform visual inspection, identifying hydrostatic and transmission systems type and applications 8006.01	Diagnose and troubleshoot clutch systems and components 8006.02	Repair clutch systems and components 8006.03	Verify repair of clutch systems and components 8006.04	Diagnose and troubleshoot manual transmissions/transfer cases and components 8006.05
	Repair manual transmissions/transfer cases and components 8006.06	Verify repair of manual transmissions/trans fer cases and components 8006.07	Diagnose and troubleshoot torque converters, lock-up clutches and components 8006.08	Repair torque converters, lock-up clutches and components 8006.09	Verify repair of torque converters, lock-up clutches and components 8006.10
	Diagnose and troubleshoot powershift transmissions and components 8006.11	Repair powershift transmissions and components 8006.12	Verify repair of powershift transmissions and components 8006.13	Diagnose and troubleshoot hydrostatic transmissions and components 8006.14	Repair hydrostatic transmissions and components 8006.15
	Verify repair of hydrostatic transmissions and components 8006.16	Diagnose and troubleshoot powershift /hydrostatic transmission electrical, electronic and computer controlled components 8006.17	Repair powershift/ hydrostatic transmission electrical, electronic and computer controlled components 8006.18	Verify repair of powershift / hydrostatic transmission electrical, electronic and computer controlled components 8006.19	

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DRIVE SHAFTS, DRIVE AXLE ASSEMBLIES AND FINAL DRIVES	Perform visual inspection, identifying systems type and applications	Diagnose and troubleshoot drive shafts, drive axle assemblies, final drives and components	Repair drive shafts, drive axle assemblies, final drives and components	Verify repair of drive shafts, drive axle assemblies, final drives and components	
U8007.0	8007.01	8007.02	8007.03	8007.04	
STEERING SYSTEMS	Perform visual inspection, identifying systems type and applications	Diagnose and troubleshoot steering systems and components	Repair steering systems and components	Verify repair of steering systems and components	Diagnose and troubleshoot steering clutches/brakes and components
U8008.0	8008.01	8008.02	8008.03	8008.04	8008.05
	Repair steering clutches/brakes and components	Verify the repair of steering clutches/brakes and components			
	8008.06	8008.07			
BRAKING SYSTEMS	Perform visual inspection, identifying systems type and applications	Diagnose and troubleshoot mechanical/hydraulic braking systems and components	Repair mechanical/hydraulic braking systems and components	Verify repair of mechanical/hydraulic braking systems and components	Diagnose and troubleshoot air braking systems and components
U8009.0	8009.01	8009.02	8009.03	8009.04	8009.05
	Repair air braking systems and components	Verify repair of air braking systems and components			
	8009.06	8009.07			
SUSPENSION SYSTEMS	Perform visual inspection, identifying systems type and applications	Diagnose and troubleshoot suspension systems and components	Repair suspension systems and components	Verify repair of suspension systems and components	
U8010.0	8010.01	8010.02	8010.03	8010.04	
CLIMATE CONTROL SYSTEMS	Perform visual inspection, identifying systems type and components	Diagnose and troubleshoot climate control systems and components	Repair climate control systems and components	Verify repair of climate control systems and components	
U8011.0	8011.01	8011.02	8011.03	8011.04	

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STRUCTURAL COMPONENTS AND ACCESSORIES U8012.0	Perform visual inspection, identifying systems type and components 8012.01	Diagnose and troubleshoot structural components and accessories 8012.02	Repair structural components and accessories 8012.03	Verify repair of structural components and accessories 8012.04	
TIRES, WHEELS, FRAMES AND UNDERCARRIAGES U8013.0	Perform visual inspection, identifying systems type and components 8013.01	Diagnose and troubleshoot tires, wheels and components 8013.02	Install, remove or replace wheel assemblies and components 8013.03	Verify installation, removal or replacement of wheel assemblies and components 8013.04	Diagnose and troubleshoot undercarriages and components 8013.05
	Repair undercarriages and components 8013.06	Verify repair of undercarriages and components 8013.07			
GROUND ENGAGING EQUIPMENT AND ATTACHMENTS U8014.0	Perform visual inspection, identifying systems type and applications 8014.01	Diagnose and troubleshoot ground engaging equipment, attachments and components 8014.02	Repair ground engaging equipment, attachments and components 8014.03	Verify repair of ground engaging equipment, attachments and components 8014.04	