

Heavy Mechanical Trades Common Core Level 1

STANDARDIZED LEVEL EXAM (SLE) BREAKDOWN

The following table shows the number of questions per General Area of Competency (GAC) and Competency on the *Heavy Mechanical Trades Common Core Level 1 SLE (Truck and Transport Mechanic, Transport Trailer Technician, Heavy Duty Equipment Technician, and Diesel Engine Mechanic)*.

Number of questions on each exam: 100

Level 1 GAC/Competency	#
A. OCCUPATIONAL SKILLS	21
A1. Use Safe Work Practices	1
A4. Use Hand Tools, Power Tools, and Shop Equipment	1
A5. Use Fasteners and Fittings	2
A6. Lift and Support Loads	2
A7. Operate Equipment	1
A8. Use Shop Resources and Record Keeping Practices	1
A9. Service Winch Wire Rope	0
A10. Identify Lubricants	2
A11. Service Bearings and Seals	1
A13. Use Electronic Media	2
A14. Use Cutting and Welding Equipment	7
A16. Describe Diagnostic Procedures	1
B. BRAKES	15
B1. Service and Repair Hydraulic Brakes	4
B2. Service and Repair Hydraulic Power Brakes	5
B3. Service and Repair Air Brakes	6

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Level 1 GAC/Competency	#
C. HYDRAULICS	14
C1. Describe Hydraulic Systems	7
C2. Service Hydraulic Components	7
D. ELECTRICAL	17
D1. Describe Electricity	5
D2. Use Electrical Testing Instruments	0
D3. Service and Diagnose Batteries	6
D4. Service Charging Systems	2
D6. Service Starting Systems	2
D8. Service Electrical Circuits	2
E. FRAMES, STEERING AND SUSPENSION	12
E1. Service and Diagnose Tires, Wheels, and Hubs	4
E2. Service Steering Systems	2
E4. Service, Diagnose and Repair Suspension Systems	4
E6. Diagnose and Repair Frames	2
F. TRAILER	10
F1. Service Landing Gear and Trailer Accessories	4
F2. Service and Repair Coupling Systems	2
F3. Service, Diagnose and Repair Trailer Body Components	1
F4. Service, Diagnose and Repair Heating and Refrigeration Systems	3
G. HEATING, VENTILATION AND AIR CONDITIONING	9
G1. Describe Heating and Air Conditioning Fundamentals	4
G2. Diagnose and Repair Heating and Air Conditioning Systems	5
J. STRUCTURAL COMPONENTS AND ACCESSORIES	2
J1. Identify Protective Structures	1
J2. Service Cab Structures	1
Total:	100