

Motorcycle and Power Equipment Technician

Current Level 2

STANDARDIZED LEVEL EXAM (SLE) BREAKDOWN

The following table shows the number of questions per General Area of Competency (GAC) and Competency on the *Motorcycle and Power Equipment Technician Current Level 2 SLE*.

Number of questions on each exam: 100

Level 2 GAC/Competency	#
D. LUBRICATION AND COOLING SYSTEMS	12
D7. Service lubrication system on four-stroke engine	3
D8. Service cooling system on four-stroke engine	3
D9. Service lubrication system on two-stroke engine	3
D10. Service cooling system on two-stroke engine	3
K. ENGINES	48
K1. Describe engine design and combustion process	6
K2. Describe two-cycle operation and component design	3
K3. Describe four-cycle operation and design	2
K4. Describe two and four-cycle selected top-end component design	2
K5. Describe four-cycle valve train component design	3
K6. Describe counterbalance shafts	1
K7. Describe operating principles of diesel internal combustion engines	4
K8. Assess engine condition	4
K9. Service cylinder heads on four-stroke engines	1
K10. Service valve train on four-stroke engines	4
K11. Service cylinders and pistons on four-stroke engines	5
K12. Service crankshaft assembly on four-stroke engines	3
K13. Service counterbalance assemblies on four-stroke engines	1
K14. Service engine cases on four-stroke engines	1
K15. Assess engine condition	3
K16. Service cylinder heads on two-stroke engines	0
K17. Service valve train on two-stroke engines	1

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Level 2 GAC/Competency	#
K18. Service cylinders and pistons on two-stroke engines	1
K19. Service crankshaft assembly on two-stroke engines	1
K20. Service counterbalance assemblies on two-stroke engines	0
K21. Service engine cases on two-stroke engines	2
L. GASKET AND SEAL CONSTRUCTION AND SERVICE	4
L1. Describe soft gasket construction and use	1
L2. Describe hard gasket construction and use	1
L3. Describe seal construction and use	1
L4. Describe sealant composition and application	1
M. PRECISION MEASURING INSTRUMENTS	8
M1. Utilize precision measuring instruments on select components	8
N. EXHAUST SYSTEMS	8
N1. Describe exhaust system design and maintenance	7
N2. Service two and four-stroke exhaust systems	1
O. STARTING AND CHARGING SYSTEMS	20
O1. Describe starting systems	4
O2. Service manual starting systems	1
O3. Describe diagnosing starting systems	4
O4. Service selected starters	3
O5. Describe charging systems	3
O6. Diagnose charging systems	3
O7. Service selected charging systems	2
Total:	100