

## MARKING GUIDELINES

### Unit 4 - ENGINE EMISSIONS IN PETROL AND DIESEL ENGINES

DIAGNOSTIC AND MAINTENANCE ON ENGINE EMISSIONS IN PETROL AND DIESEL ENGINES		
COMPETENCE	ASSESSMENT CRITERIA	Marks
Identify with precision the symptoms of the fault	The malfunction was not validated and the correct documents were not selected	0
	The malfunction was validated but the correct documents were not selected or the malfunction was not validated but several of the correct documents were selected	1
	The malfunction was validated, the correct documents were identified but some of the information needed was not selected	2
	The malfunction was validated, the correct documents were identified and all of the information needed was selected	3
Select the hypotheses of the fault depending on the symptoms	No hypotheses was given	0
	A few hypotheses were given but were either not plausible or in the wrong order	1
	Most of the hypotheses were given but some were either not plausible or in the wrong order	2
	All the hypotheses were given and were plausible, complete and ranked in the correct order	3
Test the system	No procedure or logic to diagnostic	0
	Several attempts at choosing a diagnostic procedure but without success	1
	Correct diagnosis method chosen, but some procedures are not coherent, logical or adapted to the fault.	2
	Correct diagnosis method chosen and procedures are coherent, logical and adapted to the fault.	3
	No suggestions of reference values given	0
	Correct reference values given but incorrect choice of equipment, or incorrect reference values given but correct choice of equipment	1
	Most of the reference values given are correct with a correct choice of equipment	2
Correct equipment selected and correct reference values given.	3	
Validate the malfunction and choose the appropriate action to be done	The measurements are not taken at accessible points depending on the fault, and no knowledge of the equipment.	0
	The measurements are not taken at accessible points depending on the fault but the equipment is used correctly.	1
	The measurements are taken at accessible points depending on the fault place, but some difficulties in using the equipment.	2
	The correct measurements are taken at accessible points depending on the fault and the equipment is used correctly	3
	Values are not interpreted so no cause identified	0
	Some values are correctly interpreted but no cause identified	1
	Most values are correctly interpreted and the cause found but with hesitation and lack of justification	2
	Values are correctly interpreted	3
	No attempt to repair the vehicle.	0
	Several attempts to repair the vehicle but without success	1
	Vehicle is repaired but it does not conform to specifications.	2
	Vehicle is repaired completely and conforms to specifications	3
Organise a work station	Work station is not functional, dirty and no health and safety regulations are respected.	0
	Work station is functional but dirty and no health and safety regulations are respected.	1
	Work station is functional, clean and most health and safety regulations are respected.	2
	Work station is functional, clean and all health and safety regulations are respected.	3
Respect the methods and schedule	The task is not completed within the time limit of 2 hours 30	0
	The task is completed within a time limit of 2 hours 30	3