Exhaust Gas Analysis

Meets ASE Task: (A8-A-1) P-1 Prepare 4 or 5 gas analyzer; inspect and prepare vehicle for test, and obtain exhaust readings; interpret readings, and determine needed action.

Name		Date	Time on Task
Make/M	odel/Year	VIN	Evaluation: 4 3 2 1
1.		information for the exhaust test procedures to follow.	gas analyzer being used to
2.	Check the vehicle for readings.	exhaust leaks and other fau	lts that could affect the exhaust gas
3.	the engine until normal List other items listed should be performed.	r testing, which usually incl al operating temperature has by the test equipment manu	s been achieved. ufacturer that
4.		s readings and compare then	

Gas	Idle	2500 RPM	General Specifications
НС			Max 50 PPM
СО			Max 0.5%
CO ₂			12% to 15% or higher
O_2			0% to 2%
NOx			Less than 100 PPM @ idle Less than 1000 PPM @ wide open throttle

5. Based on the exhaust gas readings, what is the needed action?