Engine Exhaust and Sound Diagnosis Meets NATEF Task: (A8-A-4) Diagnose abnormal exhaust color, odor, and sound; determine

necessary action. (P-2)

Name	Date	Time on Task
Make/Model/Year	VIN	Evaluation: 4 3 2 1
1. Start the 6	engine and observe the exhaust.	
	OK (no visible exhaust smoke) Light amount of visible steam (usually norm Heavy white steam or smoke (possible cool chamber) Black exhaust smoke (usually caused by a Gray exhaust for a second or two, then normal defective valve stem seals) Blue exhaust smoke all the time (engine is Other (describe)	rich air-fuel mixture) exhaust smoke (normal) al exhaust (usually caused by using oil)
the variou	odor (exhaust does have some smell due to us hydrocarbons used in the fuel). Normal Abnormal (if abnormal describe)	
3. Exhaust s	ound	
		ary action to correct the fault
4. Based on	the analysis above, check service information	
	the concerns.	
5. What is th	he necessary action?	