

Engine Exhaust and Sound Diagnosis

Meets NATEF Task: (A8-A-7) 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 e	engine and observe the exhaust.	
_	OK (no visible exhaust smoke) Light amount of visible steam (usually normal Heavy white steam or smoke (possible coordinates) 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)	lant leak into the combustion rich air-fuel mixture) exhaust smoke (normal) al exhaust (usually caused by using oil)
the variou	odor (exhaust does have some smell due to as hydrocarbons used in the fuel). Normal Abnormal (if abnormal describe)	
3. Exhaust s	ound	
	Normal Hissing (check for exhaust leak) and describe the location Loud (determine the reason and the necessary)	ary action to correct the fault
	Other (describe)	
	the analysis above, check service information	on to determine the steps needed
to correct	the concerns.	
5. What is th	ne necessary action?	