

Oxygen Sensor Voltmeter Diagnosis

Meets NATEF Task: (A8-B-7) Inspect and test sensors, actuators, and circuits using a graphing multimeter (GMM)/digital storage oscilloscope (DSO); perform necessary action. (P-2)

Name			Date _		Time on Task				_
Make/M	odel/Year		VIN		Evaluation:	4	3	2	1
1.	Locate the oxygen so with a "T" pin.	ensor(s) and	carefully b	ack probe the	e sensor wire at a		nnec		SES
2.	Set the digital multir volts (DCV).	neter to read	d DC	GRAPH AND C	HITE SEAL ONTACT HOUSING	~	_	<u>+</u>	1
3.	Attach the red lead of to the sensor and grollead to a good clean	ound the bla	ck meter	WIRE TERMINALS HE	EATING EMENT EXHAUST	~U) SH	IELD	
4.	Start the engine and RPM for 2 minutes t up to operating temp	o get the ox	ygen sensor		MANIFOLD //			/	//
5.	Select MIN/MAX reminutes.	ecord and m	aintain the e	ngine speed	at 2500 RPM for	r 2 a	ıddit	tiona	al
	Record the M	IN	MAX	AVE	RAGE				
6.	Results: MIN should be below 200 mV and MAX should be above 800 mV. The average should be about 450 mV.								
	fuel mixture.	e is lower th			is operating with s operating with				
7.	Based on the test res	ults, what is	s the necessa	ary action? _					_