

Oxygen Sensor Waveform Testing

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/Model/Year _____ VIN _____ Evaluation: 4 3 2 1

_____ 1. Check service information regarding the location of the oxygen sensor used on the vehicle being tested.

Location (describe): _____

_____ 2. Check service information for the wire colors used and their purpose.

Wire 1 (color and purpose): _____

Wire 2 (color and purpose): _____

Wire 3 (color and purpose): _____

_____ 3. Check service information for the specified voltage output and/or waveform for the oxygen sensor.

_____ 4. Following the test equipment manufacturer's instructions, show the instructor the waveforms.

Instructor OK _____

_____ 5. Based on the comparison between the captured waveform and the specified waveform, what action is needed?

