

### **Service Bulletin**

File in Section:

Bulletin No.: 16-NA-212

Date: July, 2016

## **INFORMATION**

Subject: A New Way to Look at NOx Sensor Readings and Exhaust Temperature During a DPF Regeneration or a Reductant Fluid Quality Test

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Express	2014	2016				
	Silverado					6.6L	
GMC	Savana					(LML, LGH)	
	Sierra HD						

Involved Region or Country	North America and N.A. Export Regions
----------------------------	---------------------------------------

#### Introduction

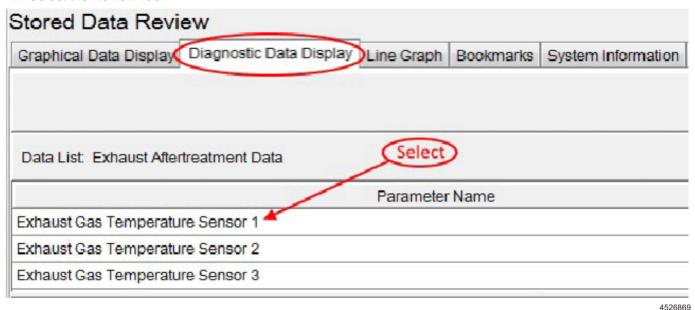
The following procedure is to aid in graphing NOx sensor readings and temperature sensor readings using the GDS2.

Information for the temperatures and NOx sensors can be pulled from the DPF Service Regeneration and the Reductant Fluid Quality Test procedures from session files or stored data in GDS2.

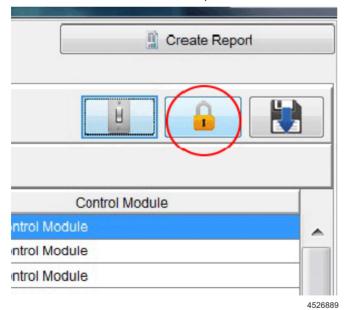
# Suggested Procedure for Graphing the DPF Service Regeneration Temperatures

Locate the DPF Service Regeneration in the Stored Data:

1. Select the Review Tab.

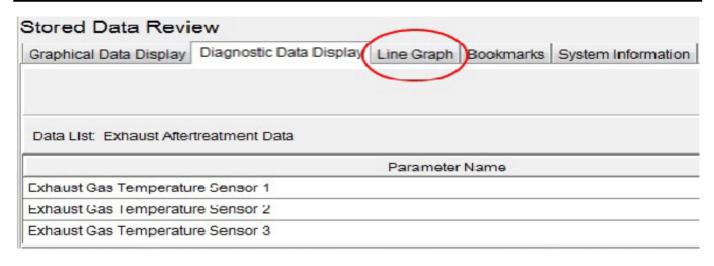


- 2. Select the Diagnostic Data Display tab.
- 3. Select the Exhaust Gas Temperature Sensor 1.

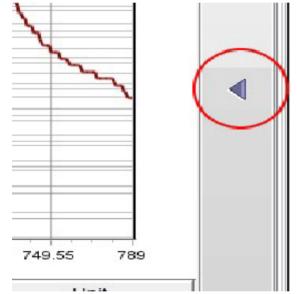


**Note:** The LOCK PARAMETER BUTTONS must be selected after each parameter has been selected to be graphed.

- 4. Select the Lock Parameter button located at the upper right side of display.
- 5. Repeat the steps above to add the Exhaust Gas Temperature Sensor 2, 3 and 4.
- 6. Select the DPF Soot Accumulation.

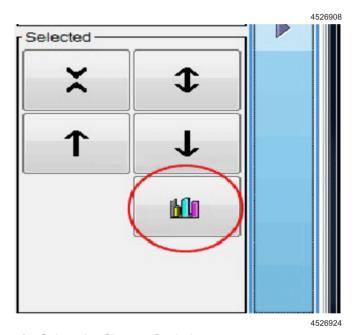






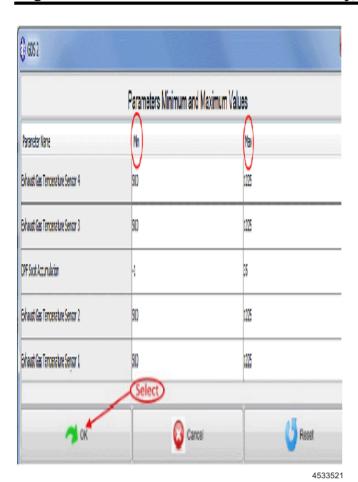
4526913

8. On the right side of the display, select the Show/ Hide Control arrow button.



9. Select the Change Scale button.

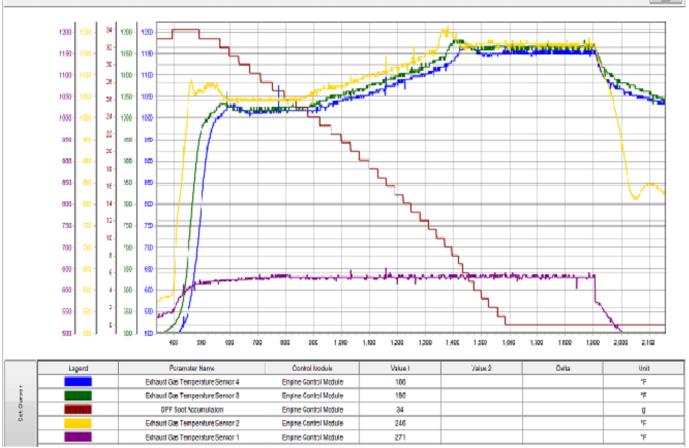
Page 4 July, 2016 Bulletin No.: 16-NA-212



**Note:** When selecting the temperature values, the parameters should be all on the same scale.

- 10. Under the Parameters Values, select the MIN and MAX parameters for graphing out the readings.
- 11. Select OK.

#### **Graph Results**

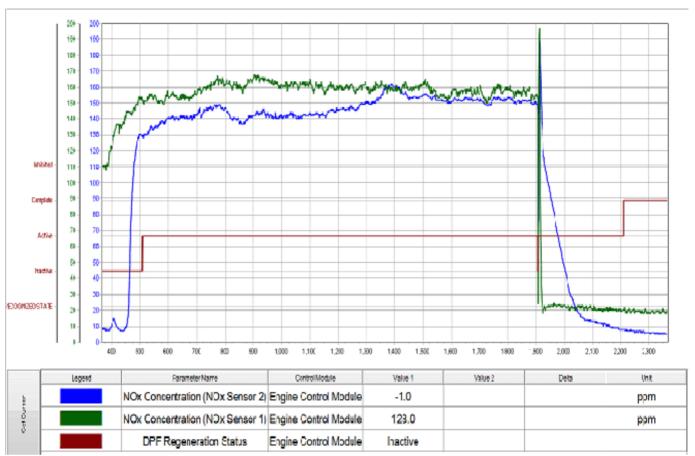


Graphed results of the exhaust temperatures during the DPF Service Regeneration.

Recommended parameter values;

- Enter 500 under MIN.
- · Enter 1225 under MAX.

4533561



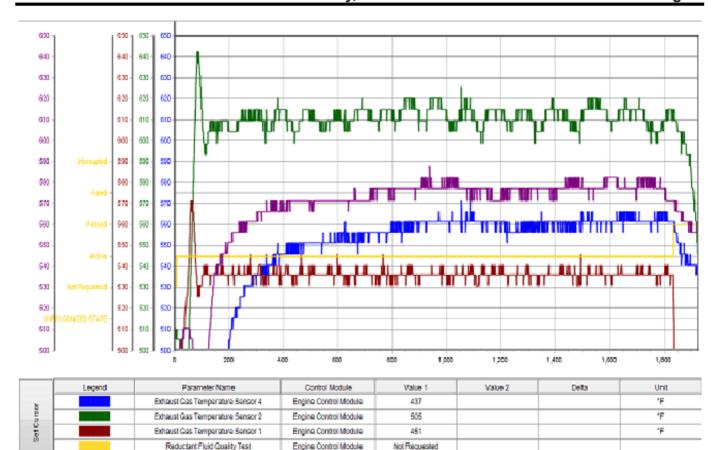
**Note:** NOx Sensor 2 may have higher readings than the NOx sensor 1 during a regeneration.

Graphed results of the NOx sensors during the DPF Service Regeneration.

Recommended parameter values;

- · Enter 0 under MIN.
- · Enter 200 under MAX.

4533591



Engine Control Module

496

4533599

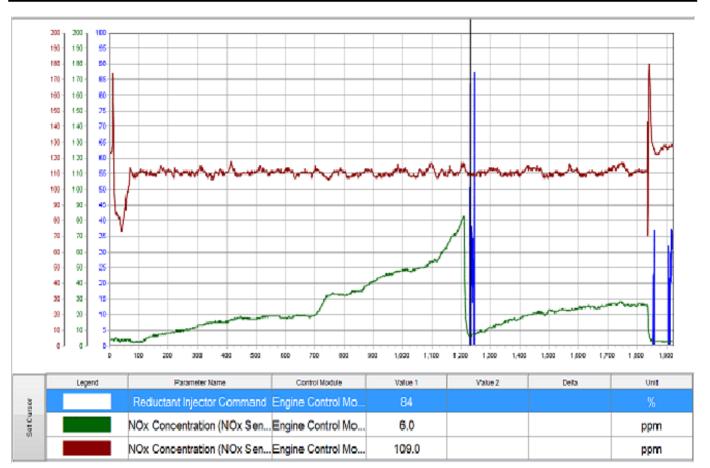
F

Graphed results of the exhaust temperature readings during the Reductant Fluid Quality test.

Exhaust Cas Temperature Sensor 3

Recommended parameter values;

- Enter 500 under MIN.
- · Enter 650 under MAX.

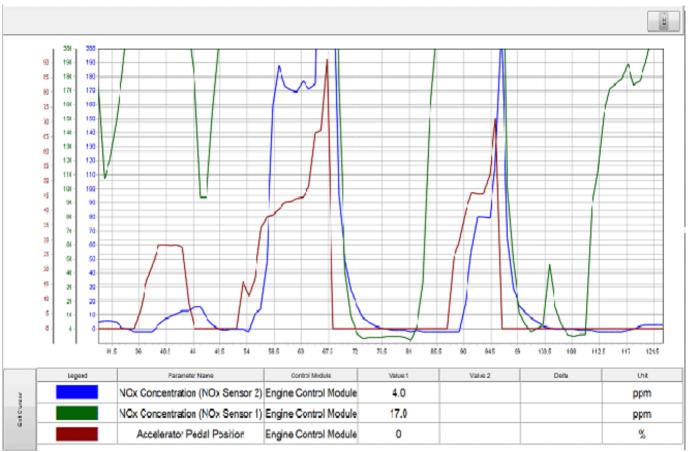


4533604

Graphed results of the NOx sensor readings during the Reductant Fluid Quality test with DEF Reductant Injector command.

Recommended parameter values;

- Enter 0 under MIN.
- · Enter 200 under MAX.
- Enter 100 for the Reductant Injector Command.



4533620

Graphed results of NOx Concentration during Tip In and Tip Out.

- Enter 0 under MIN.
- · Enter 200 under MAX.
- Enter 90 for Pedal position.

Version	1
Modified	

Additional Keywords: 6.6, soot, fuel, NOx, Nitrogen Oxide, O2, Regen, Regeneration, Fuel, SCR, LML, LGH, DOC, DPF, Poor, Exhaust, Particulate, Filter, Quality, P2463, P20EE, P2459, P2BAD, P2BAA, P249D