Service Bulletin

File in Section: -
Bulletin No.: 16-NA-206
Date: June, 2016

INFORMATION

Subject: **A New Way to Look at NOx Sensor Readings and Exhaust Temperature During a DPF Regeneration or a Reductant System Malfunction Warning Service Bay Test**

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Colorado	2016	2016			2.8L Diesel (LWN)	
GMC	Canyon	2016	2016				

Involved Region or Country	North America

Introduction

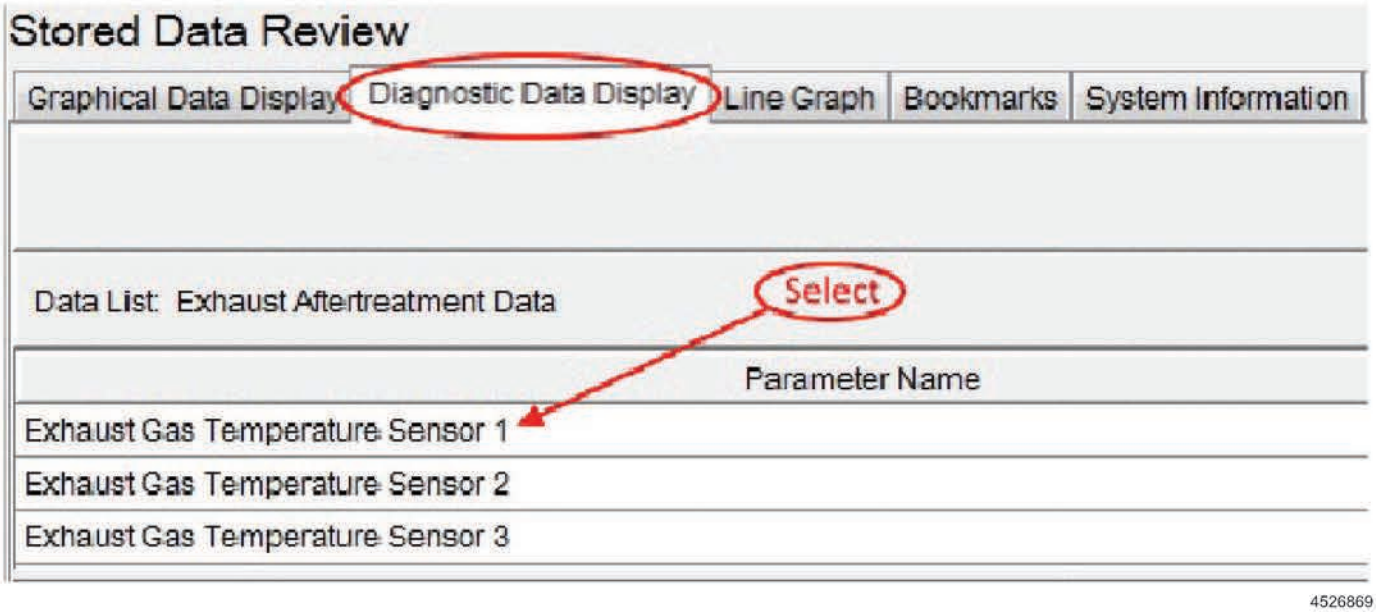
The following procedure is to aid in graphing NOx sensor readings and temperature sensor readings using the GDS2.

Information for the temperatures and NOx sensors can be pulled from the DPF Service Regeneration and the Reductant System Malfunction Warning Service Bay Test 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.



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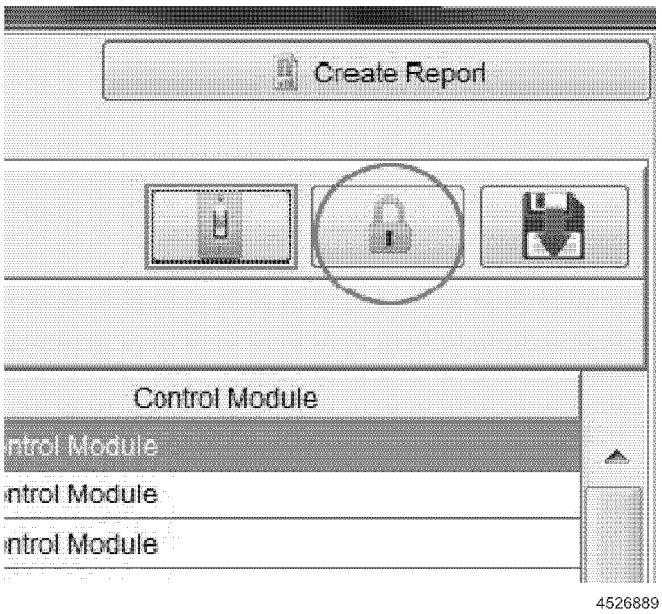
2. Select the Diagnostic Data Display tab.
3. Select the Exhaust Gas Temperature Sensor 1.



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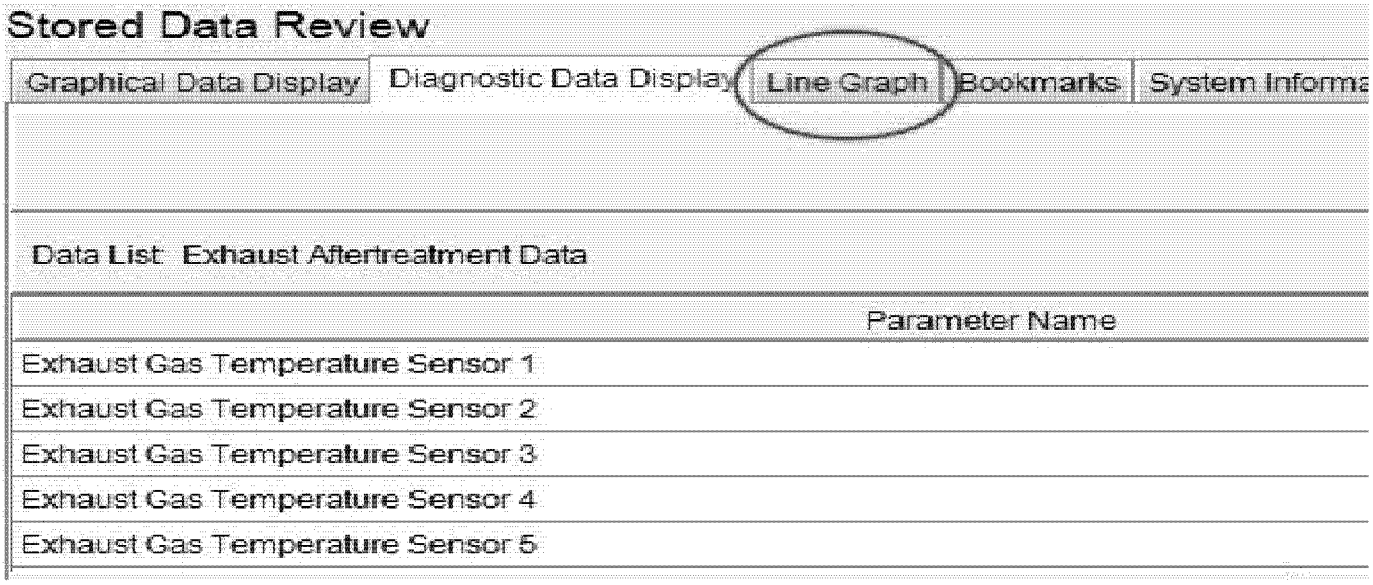
Note: The LOCK PARAMETER BUTTONS must be selected after each parameter has been selected to be graphed.

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, 4 and 5.



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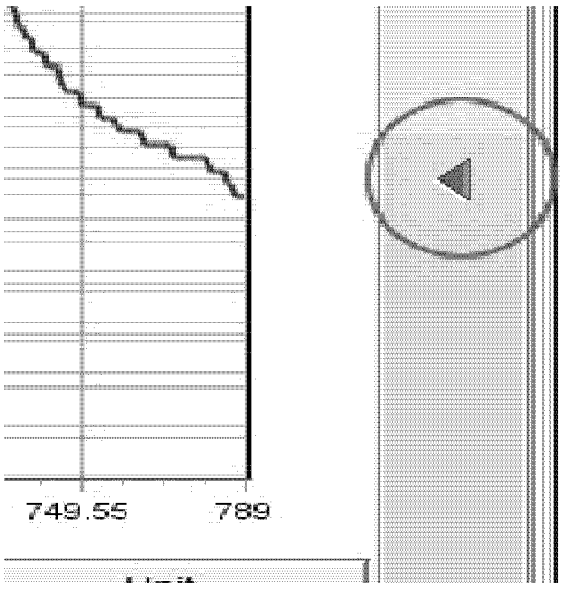
6. Select the Line Graph tab.



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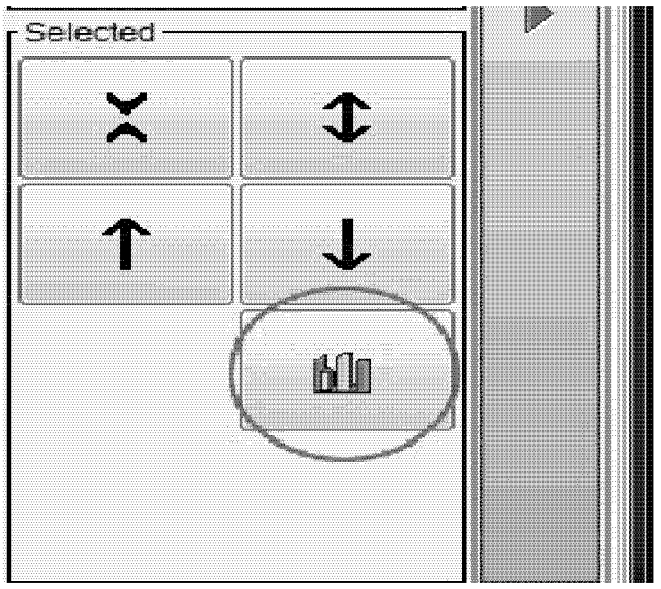
7. On the right side of the display, select the Show/ Hide Control arrow button.



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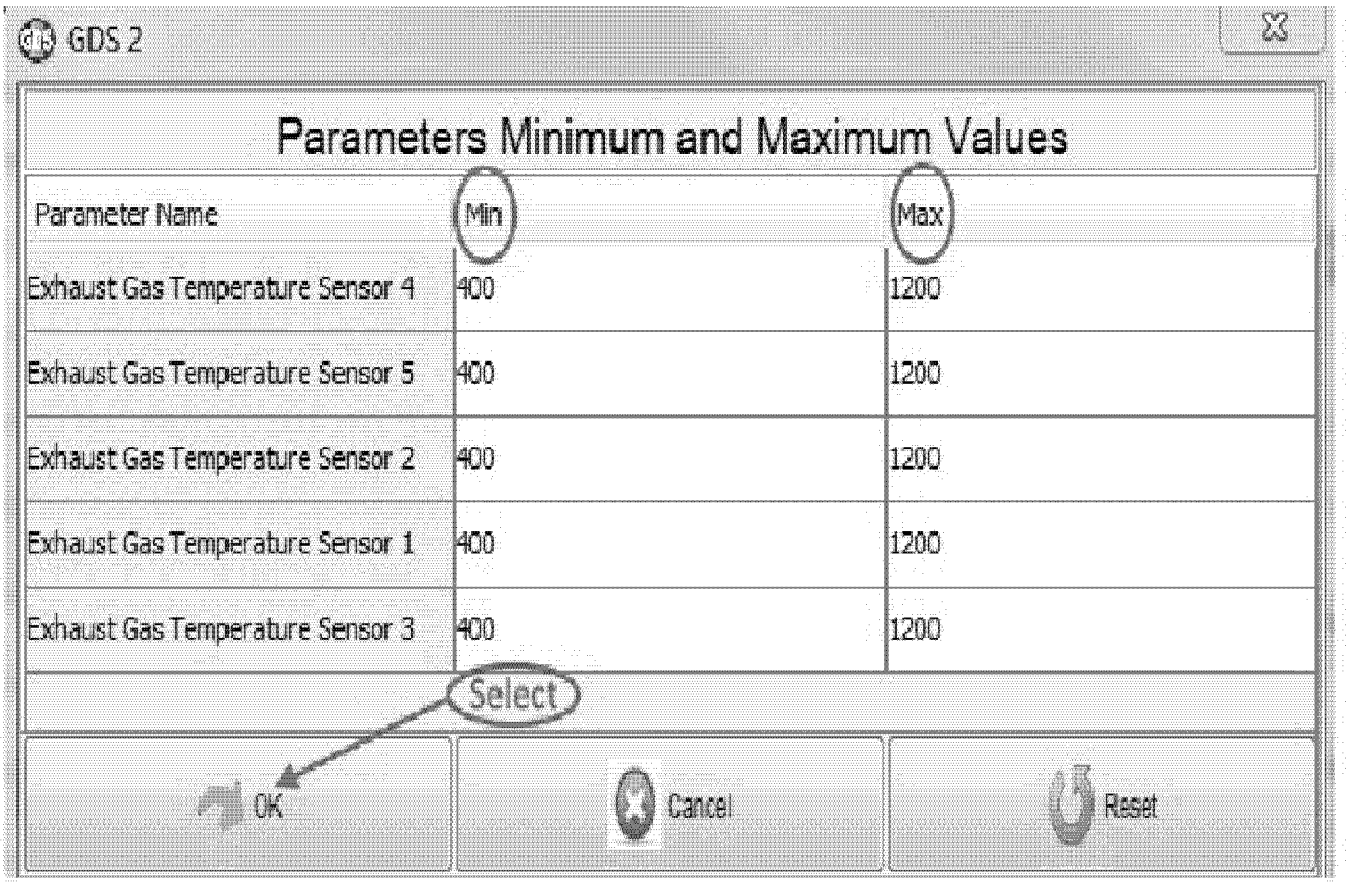
8. Select the Change Scale button.



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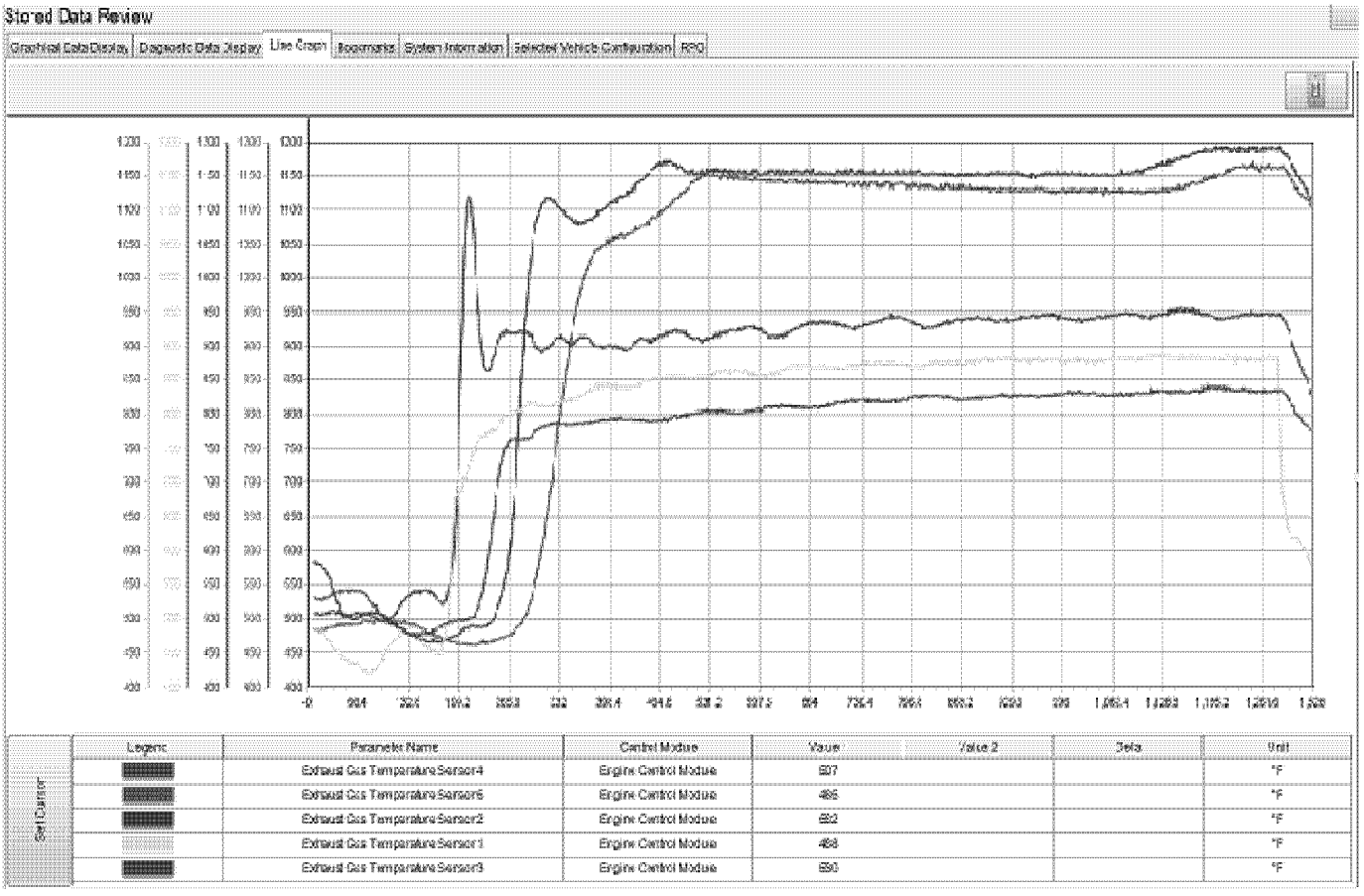
Note: When selecting the temperature values, the parameters should be all on the same scale.

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

Graph Results



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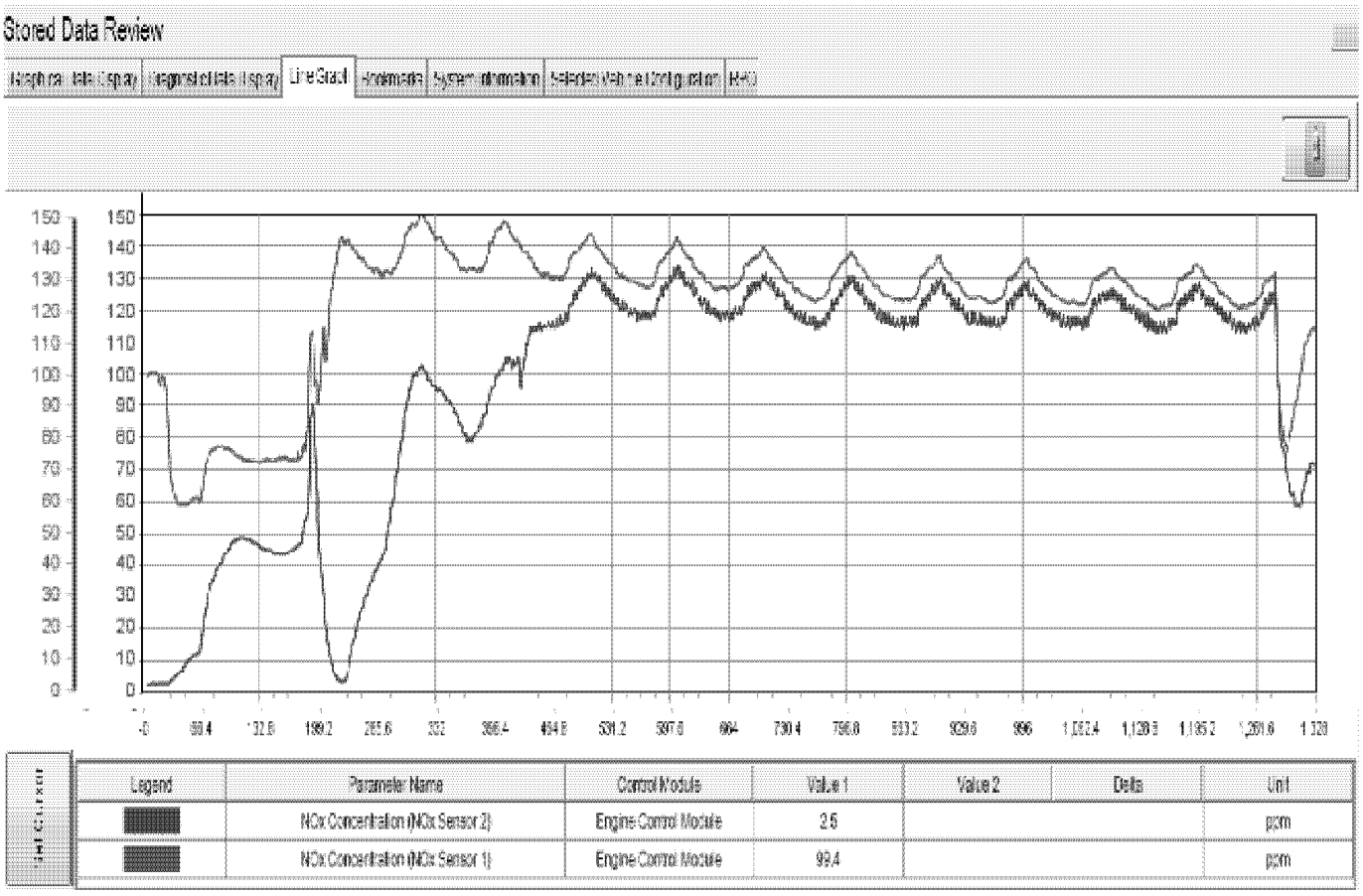
Graphed results of the exhaust temperatures during the DPF Service Regeneration.

Recommended parameter values;

- Enter 400 under MIN.
- Enter 1200 under MAX.



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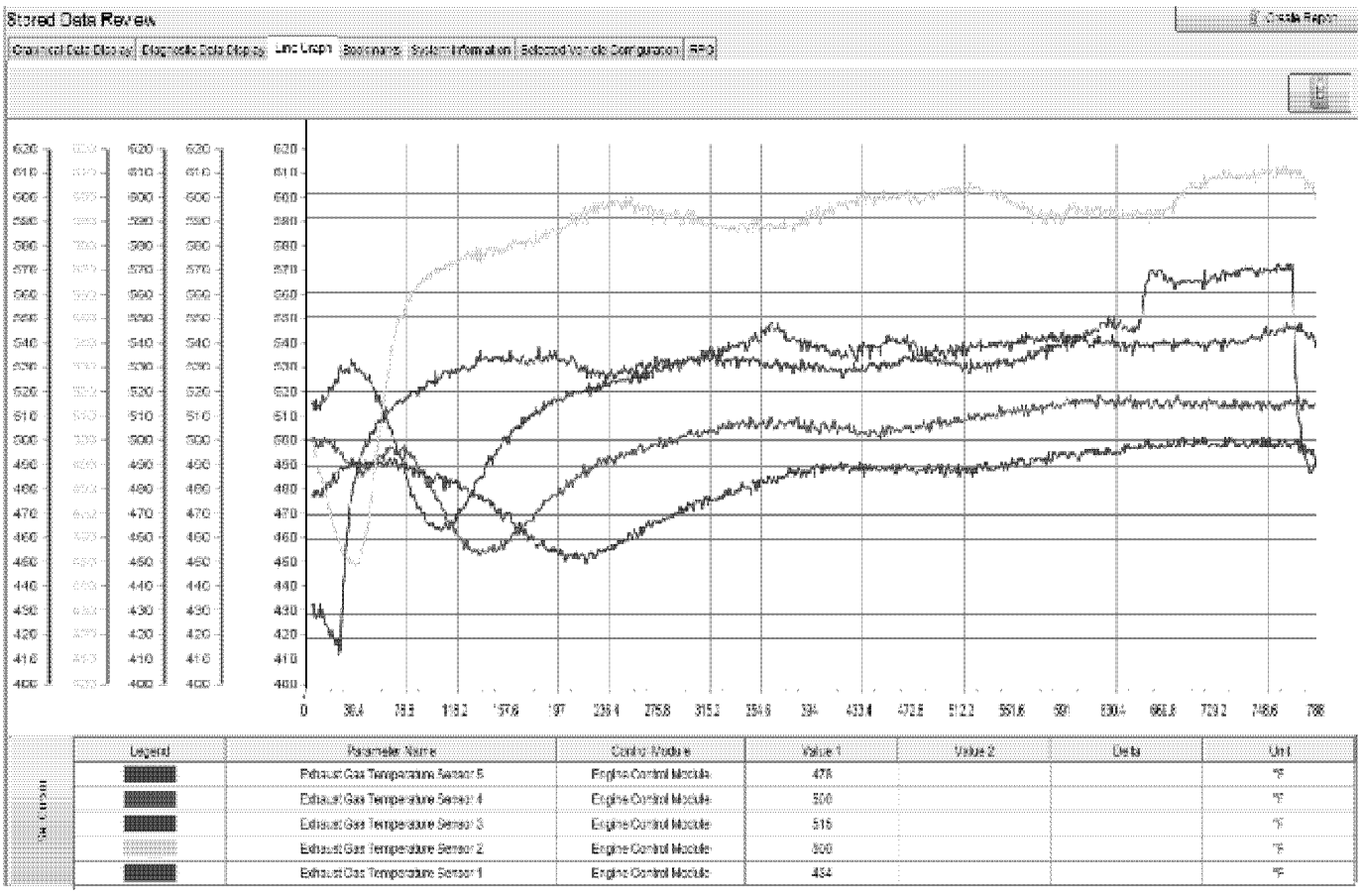
Note: NOx Sensor 2 may have higher readings than the NOx sensor 1 during a regeneration.

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

Recommended parameter values;

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



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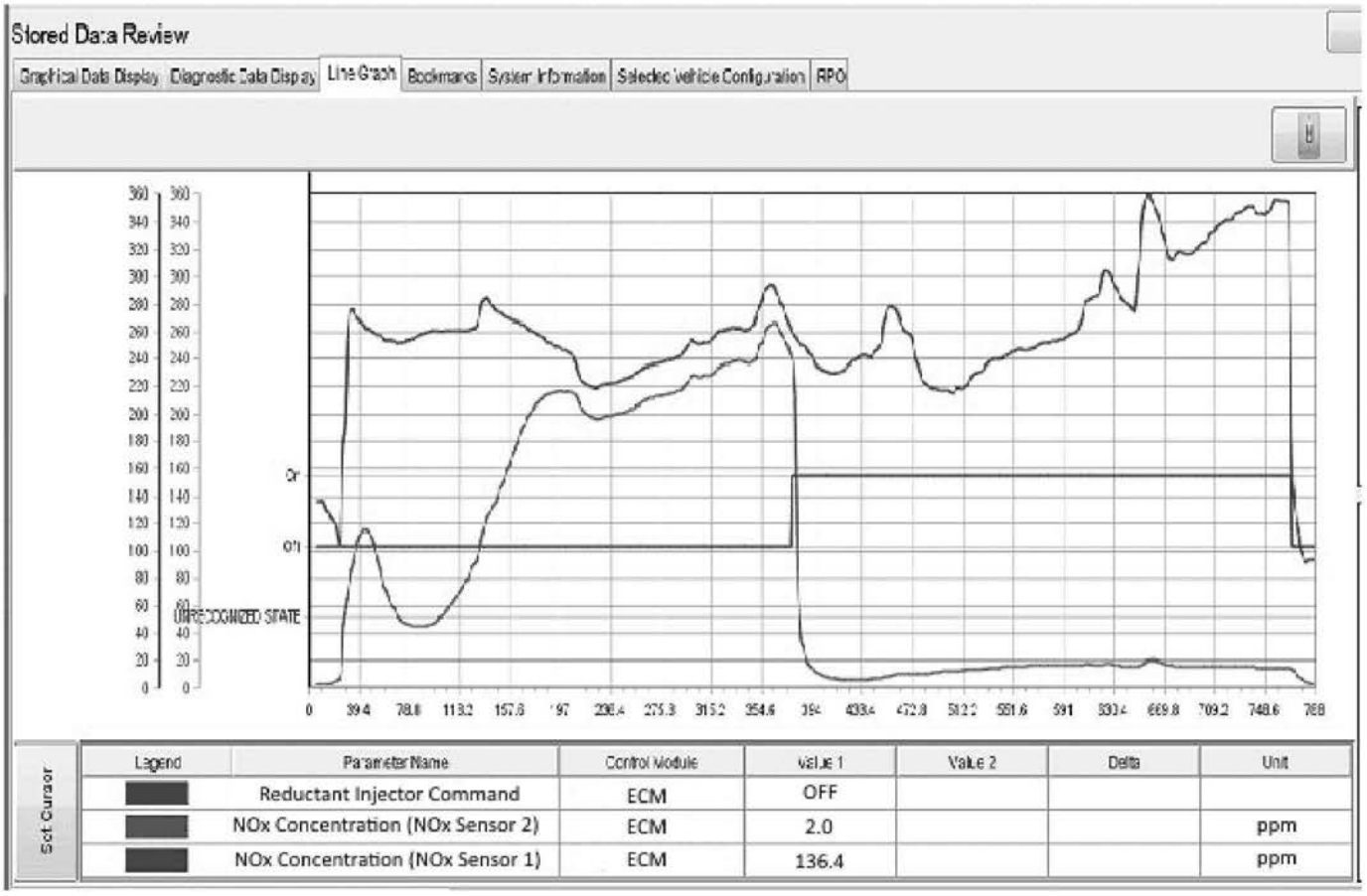
Graphed results of the exhaust temperature readings during the Reductant System Malfunction Warning Service Bay test.

Recommended parameter values;

- Enter 400 under MIN.
- Enter 620 under MAX.



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Graphed results of the NOx sensor readings during the a Reductant System Malfunction Warning Service Bay test.

Recommended parameter values;

- Enter 0 under MIN.
- Enter 360 under MAX.

Version	1
Modified	

Additional Keywords 2.8, soot, fuel, NOx, Nitrogen Oxide, O2, Regen, Regeneration, Fuel, SCR, LWN, EGT, DOC, DPF, Exhaust, Particulate, Fluid, Quality, Message, P2463, P20EE, P219D, P249E, P2BAA, P2459, P144E, P144F