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Viewed: 307

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Coding Information

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Title: Understanding Aftertreatment Soot Loads On 2010 MY Emissions MaxxForce DT/9/10 Engines

Applies To: MaxxForce DT/9/10

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

04/01/2015 - Draft	
04/03/2015 - Draft	

DESCRIPTION

This Document Will Guide The User Through Understanding Changes In How Soot Load Is Measured For the 2010 MY Emissions MF DT/9/10 Engines.

SYMPTOM(s)

High Soot Load Levels Without Triggering A Fault Code.
 High Soot Load Levels Without Triggering An Engine Warning Lamp.

Diagnostic Trouble Code(s) & Dashboard Indicator Light(s):

This Will Not Trigger A Fault Code Or Engine Warning Lamp.

DTC/Light	Description
Not Applicable	

Customer Observations or Concerns:

Customer Is Not Aware Of This Concern.

SPECIAL TOOL(s) / SOFTWARE

Tool Description	Tool Number	Comments	Instructions
Not Applicable			

SERVICE PARTS INFORMATION

Kit Description	Part Number	Notes
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		Quantity Required	
Not Applicable			

DIAGNOSTIC STEP(s)

Soot Load (%)	DPF Soot Level	Approximate Target DPF Inlet Temp	DTC
0 - 16	0	1125	No DTC
17 - 33	1	1110	
34 - 49	2	1090	
50 - 66	3	1075	
67 - 83	4	1050	
84 - 99	5	1025	
100 - 116	6	1000	
117 - 132	7	975	3719 15 DPF Soot Load Lowest (level 1/3)
133 - 149	8	900	3719 16 DPF Soot Load Moderate (level 2/3)
150 - 169	9	860	3719 0 DPF Soot Load Highest (level 3/3)
170 - 184	10	850	
185 - 199	11	840	
200 - 216	12	835	
217 - 234	13	830	3936 0 DPF Soot Load Severe De-Rate
235 - 249	14	825	
250 - 269	15	820	
270 & Above	16 & Above	810 or less	

Changes To How Soot Load Is Monitored Were Made In November 2014.

REPAIR STEP(s)

— Depending On The ECM Calibration, Soot Load Can Be Determined In One Of Two Ways:

- **Soot Load Level** - Soot Load Is Read By Level In ECM's With Calibrations Before ____XWR0.

OR

- **Soot Load Percentage** - Soot Load Is Read By Percentage In ECM's With Calibration ____XWR0 & Later.

Soot Load (%)	DPF Soot Level	Approximate Target DPF Inlet Temp	DTC
0 - 16	0	1125	
17 - 33	1	1110	
34 - 49	2	1090	
50 - 66	3		
67 - 83	4	1050	
84 - 99	5	1025	
100 - 116	6	1000	
117 - 132			3719 16 DPF Soot Load level 1/3
133 - 149	8	900	3719 16 DPF Soot Load Moderate (level 2/3)

PAR2XBR3 - I-334 466HT ALLISON	PAR2XHR0 - 466HT I-334 ALLISON
PAR2XHR1 - I-334 466HT ALLISON	PAR2XHR2 - I-334 466HT ALLISON
PAR2XHRA - I-334 466HT ALLISON	PAR2XHRB - I-334 466HT ALLISON
PAR2XUR0 - 466HT ALLISON LCT	PAR2XUR1 - 466HT ALLISON 2000
PAR2XUR2 - 466HT ALLISON LCT	PAR2XUR3 - 466HT ALLISON LCT
PAR2XURC - 466HT ALLISON LCT	PAR2XWR0 - 466 HT ALLISON LCT
PAR2XWW2 - 466HT ALLISON LCT	

Soot Load Can Be Determined By Using The Health Report As A Reference For That Particular Vehicle.

Health Report (CH590016)			
NAVISTAR		1HTMMAAL7CH590016	
Vehicle		Scanner/Vehicle	
Item	Value	Item	Value
Dealer Scans:	Pull all dealer scans for this VIN	Scan Date:	2015-04-03 12:47:21
Telematic Scans:	Pull all telematic scans for this VIN	Scan Date:	2015-03-23 10:23:12
Make / Mfg:	International	Scanner:	Pkt-MAXX (1)
Model / Model Year:	(DuraStar 4300) 2012	Dealer Account:	667006-006
Customer(s):	Idealease (Repair Advocate) (unit: 26600)	Dealer Name:	DECATUR TRUCK & TRACTOR INC. (ELKHART - IN)
Unit:	26600	Scanner Tool ID:	427 (v1.5.3)
Odometer:	90,644 M (145,877 K)	Scan ID:	3436526
Fuel:	10,358 G (39,209 L)	Active Faults:	Overall: 0 Engine: 0
Fuel Economy:	8.75 M/G (3.72 K/L)	Inactive Faults:	Overall: 1 Engine: 1
Engine Hours:	4,485	Has Emission Data:	No
Engine SN:	466HM2Y3403086	Cases:	See section below
Engine:	MAXFORCE DT 230 HP/2400 RPM GOV SPD MXDTB	Estimates:	See section below
Warranty start date:	2014-06-34	Build date:	2011-04-15
ECU:	PML1XWR0 RPLBAF1	Ship date:	2011-04-16
Cal ref date:	9999-12-31	DTU date:	2011-05-31 (actual) 2011-05-31 (recv)

WARRANTY INFORMATION

Warranty Claim Coding:

Group:	Not Applicable
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Standard Repair Time(s):

Step	Description	Chassis	Engine	SRT	Hours
Not Applicable					

OTHER RESOURCES

[Aftertreatment Symptom-Based Diagnostic and Inspection Manual](#)

[Aftertreatment Resource Center](#)

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	DYYKXN8	You received the following feedback From: dyykx8 - Keith Newton Email Address: keith.newton@clarkstruckcenter.com Job Classification: SE008, Service Technician Dealer: CLARK'S TRUCK CENTER Feedback: Absolutely fantastic information. It all makes a little more sense now. Thank you.	4/13/2015 12:02:07 PM
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