FORD MOTOR COMPANY

EXECUTIVE ORDER A-010-1569 New On-Road Heavy-Duty Engines

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: The engine and emission control systems produced by the manufacturer are certified as described below for use in on-road motor vehicles with a manufacturer's GVWR over 14,000 pounds. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL	ENGINE FAMILY		ENGINE SIZES (L)	FUEL TYPE	STANDARDS & TEST	SERVICE	ECS & SPECIAL FEATURES 3	DIAGNOSTIC 6				
YEAR				0	PROCEDURE	CLASS	TWC, SFI, 2HO2S					
2010	AFMXE06.8	FMXE06.8BW2 6.8		Gasoline	Otto	HDO						
	ENGINE'S IDLE		<u> </u>	Al	DDITIONAL IDLE EN	IISSIONS CON	TROL 5					
	N/A			N/A								
ENGINE (L) ENGINE MODELS / CODES (rated power, in hp)												
6.8		F-450/550 Chassis Cab: 9F718N0510, 9F718L0510, 9F728U0510, 9F728N0510 (362 for all codes)										
*					*							
L=liter, hp= CNG/LN L/M/H H ECS=en up catalyst;	=horsepower; kw=k NG=compressed/liqu IDD=light/medium/h mission control syste DPF=diesel partic	dlowatt; huefied nature eavy heav em; TWC/ ulate filter;	r=hour; ural gas; LPG=liquefie ry-duty diesel; UB=urb OC=three-way/oxidizin PTOX=periodic trap c	d petroleum gas; E85=85% an bus; HDO=heavy duty (g catalyst; NAC=NOx adso xidizer; HO2s/O2S=heater validiserting; DGE-directing	ethanol fuel; MF=mu Otto; orption catalyst; SCR- d/oxygen sensor; HAF soline injection; GCA	ti fuel a.k.a. BF= J / SCR-N=selec S/AFS=heated/s	to the total the total the total the total tota	WU (prefix) =warm ir oxygen sensor); ion: TC/SC≃lurbo/				
super charge	ger CAC≂charge ai tule: FM=engine mi	ir cooler, il odification	EGR / EGR-C=exhaus : 2 (prefix)=parallel: (t gas recirculation / cooled £ 2) (suffix)≕in series;	GR; PAIR/AIR=pulse	d/secondary air i	njection; SPL=smoke put ilmiter; ECM/PC	an≔enginerpoweruas				
(per 13 CCI	R 1956.8(a)(6)(D):	Exampt=e	exampted per 13 CCR	1956.8(a)(6)(B) or for CNG/	LNG tuel systems; N//	x=not applicable	el combustion auxiliary power system; ALT: (e.g., Otto engines and vehicles);	enemenvė method				
° EMD=e	engine manufacture	r diagnosti	c system (13 CCR 197	1); OBD≑on-board diagnos	stic system (13 CCR 19)71.1);						

Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.8; 2) the EURO and NTE limits under the applicable California exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, for this engine family. "Diesel" CO, EURO and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieu of testing. (For flexible- and dual-fueled engines, the CERT values in brackets [] are those when tested on conventional test fuel. For multi-fueled engines, the STD and CERT values for default operation permitted in 13 CCR 1956.8 are in parentheses.).

in g/bhp-hr	NMHC		NOx		NMHC+NOx		co		PM		нсно	
	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO
STD	0.14	*	0.20	*	*	*	14.4	*	0.01	•	0.01	•
FEL	*	*		*	*	*	*	*	*	*	*	*
CERT	0.06	*	0.07	*	*	*	6.2	*	*	*	0.000	*.
NTE	*		•			*.	*		*		*	

g/bhp-hr=grams per brake horsepower-hour, FTP=Federal Test Procedure; EURO=Euro III European Sleady-State Cycle, including RMCSET=ram mode cycle supplemental emissions testing; NTE=Not-to-Exceed; STD=standard or emission test cap; FEL=family emission limit, CERT=certification level; NMHC/HC=non-methane/hydrocarbon; NOx=oxides of nitrogen; CO=carbon monoxide; PM=particulate matter; HCHO=formaldehyde; (Rev.: 2007-02-25)

BE IT FURTHER RESOLVED: Certification to the FEL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

BE IT FURTHER RESOLVED: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels) and 13 CCR 2035 et seq. (emission control warranty).

day of June 2009.

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this _

Annette Hebert, Chief

Mobile Source Operations Division