											E	ECUTIVE	ORDER A-006 Heavy-Duty E	ngines
A sector			1	GENERAL MOTORS CORPORATION										
California Environmental Protection Agency			L	GENERAL motions and safety Code ir Resources Board by Health and Safety Code ne undersigned by Health and Safety Code Sec						e Division 26, Part 5, Chapter 2;				
	AIH	ESUU	un voete	d in the	Air Reso	ources Bo	ard by H	ealth and	and Safe	safety Code	Sections	39515 at	nd 39516 at	iu
suant	to the	author	ithority V	ested in	the und	ersigned	ру педій	, and		•				ortified
BCUtiv	e Orde	er G-02	-003;			and omice	ion contr	ol sys	stem	s produc	ed by the	manulau 000 poun	turer are co ds. Produc	tion
		AND R	ESOLVE	D: The	engine a	ehicles Wi	th a man	ufact	urer	ication is	granted.	•		
desci	ibed b	elow fo	r use in	00-1090	ts the sa	me as the	ose for w	nich	Bun					
gines	shall t	pe in all	materia	li lespeo		engine and emission control systems produce notor vehicles with a manufacturer's GVWR of the same as those for which certification is of the same as those for which certification is of standards Intended					ECS & SPECIAL FEATURES			
T			EN4				PROCE		CLASS	5	2TWC, 2HO2S(2), 5			
ODEL	ENGIN	IE FAMILY	SIZI	E\$ (L)	<u>^-</u>	soline	Ott	•	HD			1000		
2007	ZGMU	(H08.0583		8.0		FNGINE M	ODELS / CO	DES (ri	nted po	wer, in hp)				
NGINE (I							LQ41	50 (300	»)					
6.0								<u> </u>						
* Duriton A6 abc:														
 * not applicable; GVWR-gross vehicle weight rating; 13 CCR xyz=Trite 13, California Code of Regulations, Section xyz; 40 CFR 88.abc=Trite 40, Code of Federal Regulations, Section 86.abc; * not applicable; GVWR-gross vehicle weight rating; 13 CCR xyz=Trite 13, California Code of Regulations, Section xyz; 40 CFR 88.abc=Trite 40, Code of Federal Regulations, Section 86.abc; * not applicable; GVWR-gross vehicle weight rating; 13 CCR xyz=Trite 13, California Code of Regulations, Section xyz; 40 CFR 88.abc=Trite 40, Code of Federal Regulations, Section 86.abc; * not applicable; GVWR-gross vehicle weight rating; 13 CCR xyz=Trite 13, California Code of Regulations, Section xyz; 40 CFR 88.abc=Trite 40, Code of Federal Regulations, Section 86.abc; * not applicable; GVWR-gross vehicle weight rating; 13 CCR xyz=Trite 13, California Code of Regulations, Section xyz; 40 CFR 88.abc=Trite 40, Code of Federal Regulations, Section 86.abc; * not applicable; GVWR-gross vehicle weight rating; 13 CCR xyz=Trite 13, California Code of Regulations, Section xyz; 40 CFR 88.abc=Trite 40, Code of Federal Regulations, Federal Regulations, Section 86.abc; * Norse NdR-grossed/Rouelled netwai ges; LPG=liquefied petroleum ges; E85=85%, ethanol fuel; MF=multi fuel a.k.a. BF=bi fuel; DF=dual fuel; FF=fexible fuel; * CNGLNG=compressed/Rouelled netwai ges; LPG=liquefied petroleum ges; E85=85%, ethanol fuel; MF=multi fuel a.k.a. BF=bi fuel; OF=dual fuel; FF=fexible fuel; * CNGLNG=compressed/Rouelled netwai ges; LPG=liquefied petroleum ges; E85=85%, ethanol fuel; MF=multi fuel a.k.a. BF=bi fuel; OF=dual fuel; FF=fexible fuel; * CNGLNG=compressed/Rouelled netwai ges; LPG=liquefied petroleum ges; E85=85%, ethanol fuel; MF=multi fuel a.k.a. BF=bi fuel; COG_Hataget ges; Code and the set applicable; Code and the s														
•				ni milina; 13 C	CR xyz=Title	13, California Co	de of Regular		ut find at	k.a. BF=bi fue	; DFedual fuel	: FF=lexible in	¥;	
enol app	ilcable; G	wer kw=dic	well;	I PG#i0U	efied petrolet	m gas; E85=85*	% ethanol fuel: Olto:	, With Particula		and a state with	- HO25/025=	heated/oxygen	sensor, HAFS/AFS	a carburator;
CNGI	NG=com	ressed/iqu	and natural i www.heavy-d	uly diesei: UB	surban bus; I	-IDO=heavy outy d· WU (prefix) =	warm-up catal	yst; DPF	ediesei /multi Pi	particulate inte	n; DGI=direct g	ndary air injectio	sensor; HAFS/AFS , GCARB-gasedo on; SPL=amoke p der 13 CCR able Califo	ni fimiler: 2004may26)
· UWM	100 B - 10			- 1 60 - WE X		BOOM SHE MAD	041, OF 1467	and other	TROUGH	30001,				
fuel-ratio	sensor (a.	k.a., univers ect diesel ini	ection; TC/S	Calumorsuper	modification;	c=charge air cor 2 (prefix)=para	liel; (2) (sumix		<u> </u>			icable, un	der 13 CCR able Califor Procedure d NTE cert	1956.1
ECMIPCI	Mrengine	powerirain (1105	etandard	s, or fam	uily en	nissi		i as app	the applic	der 13 CCR able Califor Procedure d NTE cert fest Proced al test fuel. For es.)	nia N and
			S FTP f	axhaust	SUISSIO	Stantan's	2) the E	URO	ana	NIE IIII opgines i	and vehic	les (Test	Procedure	ification
(urthai	n hus)	or 13 C	CR 1950	5.8 (otne	ot proce	dures for	heavy-di	uty di	esei	uly "Die	sel" CO,	EURO an		lures in I
ovhai	ust em	ission s	standar	is and le	vels, in	a/bhp-hr,	for this e	ngine		ided und	er the ap	plicable	user fuel. Fo	x multi-fue
3) the	corre	spondi	ng cerui	ncanon «	strated	by the ma	nutactur	100 IU 100 IU	lane	those whe	tested on	convention	ar 103 1000	
comp	liance	may h	ave bee	inal-fueled	engines,	the CERT va	lues in bra	R 195	6.1 or	13 CCR 1	956.8 are ii	i paroitato		10
of testing. (For flexible- and outs for defau				ault opera	han urban bus), 27 Havy-duty diesel engines a t procedures for heavy-duty diesel engines a els, in g/bhp-hr, for this engine family. "Die trated by the manufacturer as provided und trated by the ma					PM			EURO	
Brightos, allo e			_	NNHC	NOX	_		EURO	FTP	EURO	FTP	•		
	T	NMI			EURO	FTP	EURO	FT			•	•		
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CERT			· ·	and the Courter	NTE=Nol-10-Exceed; STU-se	HCHO=formaldehyde,
	· ·		Turnell Furnell	European Sleedy-State Lyde	NTE=Not-to-Exceed; STD=sta carbon monoxide; PM=perticulate abie, is subject to the papulfacturer and serv	the real of
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LCCI mornily of	mission amil; CERT-Car		and the second second	a shove as applic	anie, is subject con/	es in lieu or an
(FCC- Brand		- un aller	to the FEL(S) liste	u aborto de tino m	anufacturer and serv	I I I I I I I I I I I I I I I I I I I

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: The listed engine models have been certified to the Option 1 federal NMHC+NOx emission standard(s) listed above pursuant to 13 CCR 1956.1 or 13 CCR 1956.8. **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).

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.

day of March 2006.

Executed at El Monte, California on this

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Allen Kyons, Chief Mobile Source Operations Division