## California Excernance Protection Agency

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 following diesel or incomplete medium-duty vehicles (MDV) with a manufacturer's GVWR from 8501 to 14000 pounds are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

A CRASH	Bernard	a bitor	Presta Maria	1.000	4.4	EN	GINE DESCRIPTIO	N	1.11		W. Constant
	ENGINE FAMILY			ENGINE		EMISSION	FUEL TYPE	STANDARDS	ENGINE		OBD
MODEL YEAR 2012 A Gasoline, LPG EVAPORJ FAMILY CGMXF030095 CGMXF030095 CGMXF030095	CGM	(E06.058	4 MAN	MANUFACTURER		STD 2		& TEST	SIZES (L)	ECS & SPECIAL FEATURES	ANCE
	EXECU	TIVE ORD	GENER	MOTOPS	110	CATEGORY	Gasoline	PROCEDURE	6.0	2TWC 2H02S(2) SEL	OBD(E)
2012	A-00	6-1797-1	GENERA	IL MOTORS LLC		ULEV		Otto	0.0	21000, 20023(2), 301	OBD(P)
Gasoline	, LPG or	Alcohol \	/ehicles Only	ION	N						
EV	EVAPORATIVE FUEL TANK VEHICLE FAMILY UIL (K) CAPACITY MODEL VEHICLE MAKE & MODELS				ELS	ENGINE (L)	ENGINE MODELS / CODES (rated power, in hp)	OBD COMPLI			
CGMXF	300998	150	(galions) TEAR 36 2012 CK20: Chevrolet Silverado 2500HD, GMC Sierra 2500HD CK30: Chevrolet Silverado 3500HD, GMC Sierra 3500HD		6.0	L96 / 10 (360)	OBD(F)				
CGMXF0300998		150	23.5, 40, 63	2012	CK31	1: Chevrolet Silve	rado 3500 Cab Cha Cab Chassis	ssis, GMC Sierra 35	6.0	L96 / 20 (322)	OBD(F)
CGMXF	300998	150	33, 57	2012		G30: Chevrolet E GMC Sa	xpress Commercia vana Special Cutav	al Cutaway 3500, way 3500	6.0	L96 / 30 (323); LC8 / 35 (323)	OBD(F)
*	-	*		*			*		*	*	*

\* =not applicable; GVWR=gross vehicle weight rating; 13 CCR xyz=Title 13, California Code of Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Federal Regulations, Section 86.abc; L=liter, hp=horsepower, kw=kilowatt; (2004may26) CNG/LNG=compressed/liquefied natural gas; LPG=liquefied petroleum gas; E85=85% ethanol fuel; MF=multi fuel a.k.a BF=bi fuel; DF=dual fuel; FF=flexible fuel;

SULEV / ULEV / LEV=super ultra / ultra / low emission vehicle:

3 Sole / Les aupor du as / ow mission rende.
3 ECS=emission control system; TWC/OC=three-way/oxidizing catalyst; WU (prefix) =warm-up catalyst; DPF=diesel particulate filter; HO2S/O2S=heated/oxygen sensor; HAFS/AFS=heated/air-fuel-ratio sensor (a.k.a., universal or linear oxygen sensor); TBI=throttle body fuel injection; SFI/MFI-sequential/multi port fuel injection; DGI=direct gasoline injection; GCARB=gasous carburetor; ID/DDI=indirect/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct/direct

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 heavyduty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, in g/bhp-hr, 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 dual- and flexible-fuel, the CERT values in brackets [] are those when tested on conventional test fuel.)

	NMHC		NOx		NMHC+NOx		CO		PM		НСНО	
	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO
STD	0.14	*		+	*	*	14.4		0.01	•	0.01	*
FEL	*		0.42	+	*		*	*	*	*	*	*
CERT	0.06	*	0.19	*			2.2	* *	0.005	*	0.001	*
NTE			•		*		*		*			

g/bhp-hr=grams per brake horsepower-hour, FTP=Federal Test Procedure; EURO=Euro III European Steady-State Cycle; NTE=Not-to-Exceed emission limit; 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;

**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 optional emission standards and test procedures in 13 CCR 1956.8 applicable to diesel or incomplete MDV with a 8501-14000 pound GVWR and shall be subject to 13 CCR 2139(c) (in-use testing of engines certified for use in diesel or incomplete MDV with a 8501-14000 pound GVWR).

**BE IT FURTHER RESOLVED:** For the listed vehicle models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels), 13 CCR 1968.2 (on-board diagnostic, full or partial compliance), 13 CCR 1976(b)(1)(F) {evaporative emission standards}, 13 CCR 2035 et seq. (emission control warranty), and 13 CCR 2235 [fill pipes and openings of motor vehicle fuel tanks]. (The braces {} are for gasoline, LPG or alcohol fueled vehicles only.) The brackets [] are for gasoline or alcohol fueled vehicles only.)

Vehicles certified under this Executive Order shall conform to all applicable California emission regulations.

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

This Executive Order hereby supersedes Executive Order A-006-1798 dated March 18, 2011.

Executed at El Monte, California on this

day of May 2011

Annette Hebert, Chief Mobile Source Operations Division Engine Model Summary Template



Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torqu	9.Emission Control e Device Per SAE J1930
CGMXE06.0584	10	L96	360@5400*	NA	NA	380@4200*	NA	NA	2TWC, SFI,
	•								2HO2S (2)
CGMXE06.0584	20	L96	322@4400*	NA	NA	380@4200*	NA	NA	2TWC, SFI,
	-					<u> </u>			2HO2S (2)
CGMXE06.0584	30	L96	323@4600*	NA	NA	373@4400*	NA	NA	2TWC, SFI,
						-			2HO2S (2)
CGMXE06.0584	35	LC8	323@4600*	NA	NA	373@4400*	NA	NA	2TWC, SFI,
									2HO2S (2)
CGMXE06.0584	70	L96	293@4300*	NA	NA	368@4000*	NA	NA	2TWC, SFI,
>				e					2HO2S (2)
CGMXE06.0584	75	LC8	293@4300*	NA	NA	368@4000*	NA	NA	2TWC, SFI,
-		· «							2HO2\$ (2)

Z-evens 5/17/2011 P/C: Addreament engine medels/vebtele medels + Here Standard correction

Remewed: Fator of 5/17/2014