



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.

ENGINE DESCRIPTION													
MODEL YEAR	ENGINE FAMILY		ENGINE MANUFACTURER	EMISSION STD CATEGORY ²	FUEL TYPE ¹		STANDARDS & TEST PROCEDURE	ENGINE SIZES (L)	ECS & SPECIAL FEATURES ³	OBD COMPLIANCE			
	8GMXH06.0593				Gasoline								
EXECUTIVE ORDER		GENERAL MOTORS CORPORATION		ULEV		Otto		6.0		2TWC, 2HO2S(2), SFI		OBD(F)	
2006		A-006-1348											
Gasoline, LPG or Alcohol Vehicles Only				VEHICLE DESCRIPTION									
EVAPORATIVE		FUEL TANK CAPACITY (gallons)	VEHICLE MODEL YEAR	VEHICLE MAKE & MODELS				ENGINE (L)	ENGINE MODELS / CODES (rated power, in hp)	OBD COMPLIANCE			
FAMILY	UL (K)												
6GMXE0300998		150	33, 57	2006	G30: Chevrolet Express Commercial Cutaway 3500, GMC Savana Special Cutaway 3500				6.0	LQ4 / 30 (300)	OBD(F)		
6GMXE0300998		150	30	2006	Isuzu NPR; W35: Chevrolet W3500, GMC W3500				6.0	LQ4 / 30 (300)	OBD(F)		
6GMXE0300998		150	26, 27, 34	2006	CK10: Chevrolet Silverado 1500HD, GMC Sierra 1500HD; CK20 Chevrolet: Silverado 2500, Silverado 2500HD; CK20 GMC: Sierra 2500, Sierra 2500HD				6.0	LQ4 / 30 (300), LQ4 / 40 (300)	OBD(F)		
6GMXE0300998		150	26, 27, 34, 50	2006	CK30 Chevrolet: Silverado 3500, Silverado 3500 Cab Chassis; CK30 GMC: Sierra 3500, Sierra 3500 Cab Chassis				6.0	LQ4 / 30 (300), LQ4 / 40 (300)	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; (2004may26)
 †=liter; hp=horsepower; kw=kilowatt;
 ‡ 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;
² SULEV / ULEV / LEV=super ultra / ultra / low emission vehicle;
³ ECS=emission control system; TWC/O2=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; SF/MFI=sequential/multi port fuel injection; DGI=direct gasoline injection; GCARB=gaseous carburetor; ID/DDI=indirect/direct diesel injection; TC/SC=turbo/super charger; CAC=charge air cooler; EGR=exhaust gas recirculation; PAIR/AIR=pulsed/secondary air injection; SPL=smoke puff limiter; OBD(F) / (P) / (S)=full / partial / partial with a line / on-board diagnostic; ECM/PCM=engine/powertrain control module; EM=engine modification; 2 (prefix)=parallel; (2) (suffix)=in series;

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, 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		HCHO	
	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO
STD	*	*	*	*	1.5	*	14.4	*	*	*	0.050	*
FEL	*	*	*	*	*	*	*	*	*	*	*	*
CERT	*	*	*	*	0.6	*	5.6	*	*	*	0.003	*
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: The listed engine models have been certified to the Option 1 federal NMHC+NOx emission standard listed above pursuant to 13 CCR 1956.8.

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.

Executed at El Monte, California on this 29TH day of August 2005.

Allen Lyons, Chief
Mobile Source Operations Division