## GENERAL MOTORS CORPORATION

EXECUTIVE ORDER A-006-1334 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.

NODING   NODING FAMILY   SIZES (L)   PROCEDURE   CLASS		STIGIT DE IT CIT	ENGINE	FUEL TYPE 1	STANDARDS & TEST	INTENDED SERVICE	ECS & SPECIAL FEATURES
2006 8GMXH08.8591 6.5 Diesel D	MODEL YEAR	ENGINE FAMILY			PROCEDURE	CLASS*	TAN ON PRINTER CAS
ENGINE MODELS / CODES (rated power, in hip)  INGINE (L.)  LLY / 3 (300), LLY / 4 (300), LLY / 7 (250), LLY / 8 (300)		CONVENE OFFI	6.5				
0.0	NGINE (L)			ENGINE M LLY / 3 (300), LLY / 4	ODELS / CODES (r (300), LLY / 5 (300	ated power, in hp) }, LLY / 7 (250), L	LY / B (300)
	0.0				•		

\*=not applicable; SVWR=grazz vehicle weight rating: 13 CCR xyz=Title 13, California Code of Regulations, Section xyz; 40 CFR s6.abc=1 title 40, Code of Federal Regulations, Section 85.abc; Latter; hp=horsepower, kw=kilowstr; Color of Regulations and Code of Regulations

ner: Tip-Halasuvota, Ne-orderatu, CNG/LNG=compressed/iquofied natural gas; LPG=liquefied petroteum gas; E85=85% rithanol funt; MF=multi fuel p.k.s. 8F=bi fuel; DF=dus funt; FF=fiexible fuel;

Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.1 (urban bus) or 13 CCR 1956.8 (other than urban bus); 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 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 lieurophilance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieurophilance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieurophilance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieurophilance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieurophilance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieurophilance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieurophilance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieurophilance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieurophilance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieurophilance may have been demonstrated by the manufacturer as provided under the applicable to the lieurophilance may have been demonstrated by the manufacturer as provided under the applicable to the lieurophilance may have been demonstrated by the manufacturer as provided under the applicable to the lieurophilance may have been demonstrated by the lieurophilance may have been de 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 1956.1 or 13 CCR 1956.8 are in parentheses.)

			NOx		NMHC+NOx		CO		PM		HCHO	
		HC		EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO
	FTP	EURO	FTF	EURO	F1P	LDICO	15.5	15.5	0.10	6.10	*	+
D 0	0.5	0.5					15.5			<del>                                     </del>	*	-
L	4	•	•	*	2,4	2.4		ļ				
RT	0,2	0.1	-	•	2.3	2.1	1.5	0.4	80,0	0.06		<del></del>
E .		0.625		<del></del>	3.0		19.375		0,125		*	

g/bnp-hr-grams per brake horsepower-hour; FTP-Faderal Test Procedure; EURO-Euro III European Steady-State Cycle; NTE-Not-to-Exceed; STD-standard or emission test cap; FEL-family emission limit; CERT-partification (evel; NMHC/HC-non-methane/hydrocarbon; NOx-orders of nitrogen; CO-garbon monoxide; PM-particulate methan; HCHO-formatiohydrocarbon; NOX-orders of nitrogen; NOX-orders of nit

BE IT FURTHER RESOLVED: Certification to the FEL(s) listed above, as applicable, is subject to the following terms, Ilmitations 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).

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 June 2005. Executed at El Monte, California on this

Allen Lyons, Chief

Mobile Source Operations Division