BAYTECH CORPORATION

EXECUTIVE ORDER A-330-0208 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 YEAR			ENGINE SIZES (L)	FUEL TYPE 1	STANDARDS & TEST	SERVICE 2	ECS & SPECIAL FEATURES 3	DIAGNOSTIC 6				
2009	9BYTE08.1	9BYTE08.1C13		CNG	Otto	HDO	2TWC, SFI, 2HO2S					
f	Y ENGINE'S IDLE ONS CONTROL			ADD	TIONAL IDLE EN		VTROL 5					
N/A			N/A									
ENGINE (L)			ENGINE MODE	LS / CODES (ra	ted power, in I	hp)					
8.1					GM 8.1L / 1 (28							
CNG/LI CN	NG=compressed/liquid HDD=light/medium/himission control syste; DPF=dlesel particus e body fuel injection; ger; CAC=charge air dule; EM=engine mon opine shutdown syste R 1956.8(a)(6)(D); E	iefied natureavy heavy heavy heavy heavy heavy heavem; TWC/illate filter; SFI/MFI=r cooler; Edification; em (per 13 Exempt=e	ral gas; LPG=liquefi y-duty diesel; UB=u DC=three-way/oxidiz PTOX=periodic trap sequential/multi port GR / EGR-C=exhau 2 (prefix)=parallel; c CCR 1956.8(a)(6)(/ kempted per 13 CCF	ed petroleum gas: E85=85% eth rban bus; HDO=heavy duty Otto ing catalyst; NAC=NOx adsorpti oxidizer; HO2S/O2S=heated/ox fuel injection; DGI=direct gasolir fuel injection; DGI=direct gasolir st gas recirculation / cooled EGR (2) (sufflx)=in series; NAT): 30e=30 g/hr NOx (ner 13.6	anol fuel; MF=multi; on catalyst; SCR-L ygen sensor; HAF- ne injection; GCAR; PAIR/AIR=puisac CCR 1956.8(a)(6)(C	If Juel a.k.a. BF= If SCR-N=select S/AFS=heated/a B=gaseous cart Vsecondary air ii APS =interna =not applicable	R 86.abc=Title 40, Code of Federal Regulation in the state of the stat	WU (prefix) =warm- r oxygen sensor); on; TC/SC=turbo/ M=engine/powertrain				

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	NMHC		NOx		NMHC+NOx		co		PM		нсно	
g/bhp-hr	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO
\$TD	0.14	*	*		•	*	14.4	*	0.01	*	0.01	+
FEL	*		0.35	*		*	*	*	*	*	*	*
CERT	0.00		0,30	•	*	*	2.1	*	0.001	*	0.001	*
NTE				*				*		f-		*

g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; EURO=Euro III European Steady-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.: 2007-02-28)

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).

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 19 day of December 200

Annette Hebert, Chief

Mobile Source Operations Division