

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-300-1  
Relating to Certification of New Heavy-Duty Motor Vehicle Engines

TECOGEN, INC.

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102 and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That the following Tecogen, Inc. 1991 model-year compressed natural gas engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

<u>Engine Family</u>	<u>Engine Displacement</u> <u>Liters (Cubic Inches)</u>		<u>Exhaust Emission Control Systems</u>
TecoDrive 7000	7.0	(427)	Three-Way Catalyst

Engine models and codes are listed on attachments.

The following are the emission standards for this engine family:

<u>Non-Methane Hydrocarbons</u> <u>gm/bhp-hr</u>	<u>Carbon Monoxide</u> <u>gm/bhp-hr</u>	<u>Nitrogen Oxides</u> <u>gm/bhp-hr</u>
1.7	37.1	5.0

The following are the certification emission values of this engine family:

<u>Engine Family</u>	<u>Non-Methane Hydrocarbons</u> <u>gm/bhp-hr</u>	<u>Carbon Monoxide</u> <u>gm/bhp-hr</u>	<u>Nitrogen Oxides</u> <u>gm/bhp-hr</u>
TecoDrive 7000	0.3	14.5	1.4

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty provisions (California Health and Safety Code Section 43205.5).

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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 order and attachments.

Executed at El Monte, California this 27<sup>th</sup> day of February, 1991.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

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 HEAVY-DUTY ~~CASOLINE~~ ENGINES  
 NATURAL GAS

Manufacturer Tecogen Inc. Engine Family TecoDrive 7000

Liters (CID) 7.0 (427) Engine Type V8 OTTO-CYCLE

Emission Control Sys. & Special Features TWC  
 (Use abbreviations per SAE J1930 Jun88)

Engine Model (Eng. Code)	Rated HP @ RPM	Ignition System or PCME Mfr. P/N	Fuel System Mfr. P/N	EGR Valve Mfr. P/N	Catalyst Mfr. P/N
	210 @ 4000	AC Delco PN 1103791	IMPCO Mixer PN CA425M-2  IMPCO HP Regulator PN HPR-501  IMPCO LP Regulator PN PEV-1	NA	AC Rochester PN 25128946

Revisions:  
042090