State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-339-1

Relating to Certification of New Heavy-Duty Motor Vehicle Engines

ALTERNATIVE FUEL TECHNOLOGY, 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-45-9;

IT IS ORDERED AND RESOLVED: That the following Otto-cycle engine and emission control system produced by the manufacturer are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Model Year: 2000

Fuel Type: Compressed Natural Gas (CNG) or Liquefied Natural Gas (LNG)

Engine Family	Engine Displacement Liters (Cubic Inches)	Exhaust Emission Control Systems and Special Features
YAFTH466NG1	7.6 (466)	Heated Oxygen Sensor Tubocharger Charge Air Cooler Oxidation Catalytic Converter Throttle Body Fuel Injection Electronic Control module

Engine models and codes are listed on attachments.

BE IT ORDERD AND RESOLVED: That the following are the certification exhaust emission standards (Title 13, California Code of Regulations, Section 1956.8) and Certification exhaust emission values for this engine family in grams per brake horsepower-hour under the Federal Test Procedure ("FTP"):

	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
Standard	1.7	37.1	4.0
Certification	0.2	27.2	2.6

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

BE IT FURTHER RESOLVED: That the listed engine models comply with the "California Motor Vehicle Emission Control and Smog Index Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Sections 1965).

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 3RD day of November 2000.

John M Wilson for

R. B. Summerfield, Chief
Mobile Source Operations Division

ATTACHMENT

Return to Template

Engine Model Summary Template

A-339-1

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 torque	9. De
YAFTH0466NG1	1505	HDNG A01	240@2600	na	na	611@1600	na	na	

#9 Emission Control Device

TC, CAC, HO2S, OC, ECM, TBI