State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-330-8
Relating to Certification of New Heavy-Duty Motor Vehicle Engines

BAYTECH CORPORATION

Pursuant to the authority vested in the Air Resources Board at Sections 43100, 43101, and 43102 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned at Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-9; and

IT IS ORDERED AND RESOLVED: That the following 2000 model-year Baytech Corporation Otto-cycle engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Dual-Fuel Compressed Natural Gas (CNG) or Gasoline

Engine Family	Displacement Liters	Displacement Cubic Inches	Exhaust Emission Control Systems and Special Features
YBYTH05.7ULV (L31)	5.7	350	Dual Three Way Catalytic Converters Dual Heated Oxygen Sensors (two) Sequential Multiport Fuel Injection (Gasoline) Throttle Body Fuel Injection (CNG) Engine Control Module Exhaust Gas Recirculation
YBYTH05.7OCA (L31)	5.7	350	Dual Three Way Catalytic Converters Dual Heated Oxygen Sensors (two) Sequential Multiport Fuel Injection (Gasoline) Throttle Body Fuel Injection (CNG) Engine Control Module Exhaust Gas Recirculation

The engine models and codes are listed on attachments.

The certification exhaust emission standards for these engine families in grams per brake horsepower-hour are:

Non-Methane Hydrocarbons	Carbon Monoxide	Oxides of Nitrogen
1.7	37.1	1.5

The certification exhaust emission values for these engine families in grams per brake horsepower-hour are: (The values in parentheses are for gasoline.)

Engine Family	Non-Methane Hydrocarbons	Carbon Monoxide	Oxides of Nitrogen
YBYTH05.7ULV	0.000 (0.2)	5.9 (1.5)	1.3 (1.3)
YBYTH05.7OCA	0.000 (0.2)	5.9 (1.5)	1.3 (1.3)

BE IT FURTHER RESOLVED: That the listed engine models are certified to the optional lower-emission NOx standards pursuant to Title 13, California Code of Regulations, Section 1956.8(c)(1).

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, Sections 2035 et seq.).

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 5th day of May 1999.

R. B. Summerfield, Chief
Mobile Source Operations Division

2/27/99

LARGE ENGINE MODEL SUMMARY

EO#A-330-8

Manufacturer: Baytech Corporation

Process Code: New Submission

EPA Engine Family: YBYTH05.7ULV

Manufacturer Family Name: ULEV

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.Emission Control Device Per SAE J1930
1	L31-gasoline	245@4412	N/A	N/A	319@2540	N/A	N/A	SFI/~~EGR/TWC/HO2S/~~TBI
2	L31-CNG	211@4476	N/A	N/A	275@2850	N/A	N/A	SFI/~~EGR/TWC/HO2S/~~TB
3	L31- CNG or	see above	N/A	N/A	see above	N/A	N/A	see above

2TWC, 2HO2S(2)
SFI, TBI, EGR,
ECM