State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-330-23

Relating to Certification of New Heavy-Duty Motor Vehicle Engines

BAYTECH CORPORATION

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 2001 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 | Engine Displacement Liters (Cubic Inches) | Exhaust Emission Control Systems and Special Features |
|---|---|---|
| 1BYTH05.7050 | 5.7 (350) | Sequential Multiport Fuel Injection (Gasoline)<br>Throttle Body Fuel Injection (CNG)<br>Dual Three Way Catalytic Converters<br>Dual Heated Oxygen Sensors (two)<br>Exhaust Gas Recirculation<br>Engine Control Module |

Engine models and codes are listed on attachments.

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

| Non-Methane Hydrocarbons | Carbon Monoxide | Nitrogen Oxides |
|---|---|---|
| 1.7 | 37.1 | 4.0 |

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

| Non-Methane Hydrocarbons | Carbon Monoxide | Nitrogen Oxides |
|---|---|---|
| 0.000 (0.2) | 5.9 (1.5) | 1.3 (1.3) |

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 10th day of April 2001.

Raphael Susnowitz

for R. B. Summerfield, Chief
Mobile Source Operations Division

# Engine Model Summary Form

A-330-23
(Attachment)

Manufacturer: **Baytech Corporation**
Engine category: **On-highway HDGE**
EPA Engine Family: **1BYTH05.7050**
Mfr Family Name: **50S**
Process Code: **New Submission**

| 1.Engine Code | 2.Engine Model | 3.BHP@RPM (SAE Gross) | 4.FuelRate: mm/stroke @ peak HP (for diesel only) | 5.FuelRate: (lbs/hr) @ peak HP (for diesels only) | 6.Torque @ RPM (SEA Gross) | 7.FuelRate: mm/stroke@peak torque | 8.FuelRate: (lbs/hr)@peaktorque | 0.EmissionControl Device Per SAE J1930 |
|---|---|---|---|---|---|---|---|---|
| | gasoline data | 245@4412 | N/A | N/A | 319@2540 | N/A | N/A | |
| | CNG data | 211@4476 | N/A | N/A | 275@2850 | N/A | N/A | |
| 3 | L31-CNG or gasoline | see above | N/A | N/A | see above | N/A | N/A | EGR/TWC/HO2S(2)/TBI/SFI/ECM |